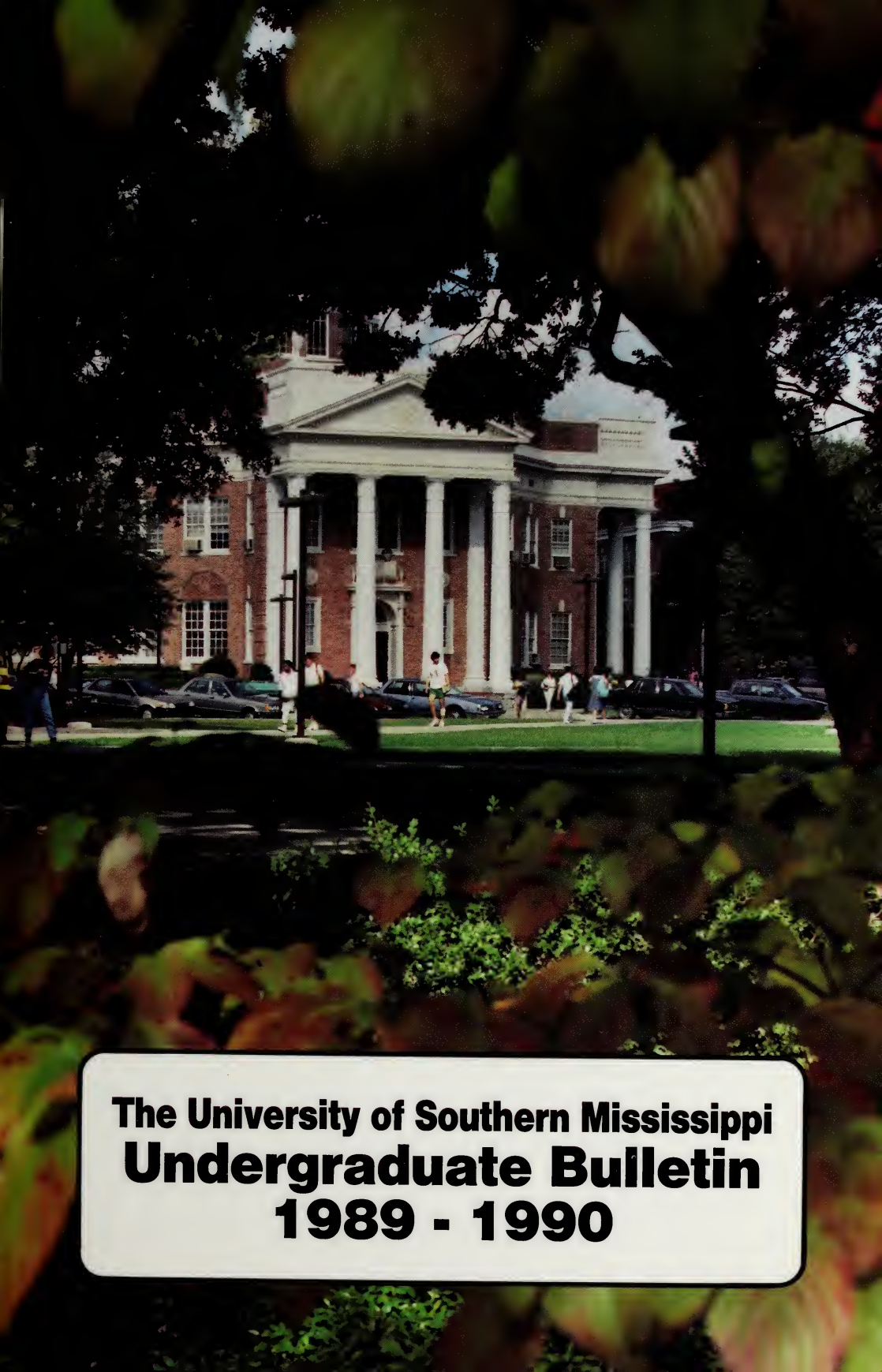

The University of Southern Mississippi
Undergraduate Bulletin
1989 - 1990

UNDERGRADUATE PROGRAMS

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THE UNIVERSITY OF SOUTHERN MISSISSIPPI BULLETIN

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UNDERGRADUATE PROGRAMS
ANNOUNCEMENTS
1989-1990

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CALENDAR FOR SUMMER SESSION, 1989

Hattiesburg Campus
(Ten-Week Term)

Friday, May 12	Applications for admission should be submitted by this date
Sunday, June 4	Residence halls open
Monday, June 5	Registration by appointment Final orientation for new students
6:20 PM	Monday night classes meet
Tuesday, June 6	Classes begin
10:00 AM	Late registration and add/drop begin
Friday, June 9	Last day to register for or add full-term or first-term (Q) classes
Tuesday, June 13	Last day to drop first-term (Q) classes without academic penalty
Monday, June 26	Last day to drop full-term classes without academic penalty
Tuesday, July 4	Independence Day Holiday
6:20 PM	Tuesday night classes will meet
Thursday, July 6	Mid-point in Summer Session End of first-term (Q) classes Last day to file application for undergraduate and graduate degrees for Fall, 1989, Commencement
Friday, July 7	Registration for second-term (QQ) classes Second-term classes begin
Wednesday, July 12	Last day to register for or add second-term (QQ) classes
Monday, July 17	Last day to drop second-term (QQ) classes without academic penalty
Saturday, July 29	Make-up day for TT day and second-term (QQ) classes
Friday, August 4	Last day of regularly-scheduled classes
Monday-Friday August 7-11	Examinations (including Night Classes)
Friday, August 11	
6:30 PM	Commencement
Saturday, August 12	Residence halls close

CALENDAR FOR FALL SEMESTER, 1989

Hattiesburg Campus

Friday, August 11	Applications for admission should be submitted by this date
Sunday, August 27	Residence halls open.
Monday, August 28	Registration by appointment
Tuesday, August 29	Registration by appointment continues Final orientation for new students
Wednesday, August 30	
8:00 AM	Day classes begin
10:00 AM	Late registration and add/drop begin
6:30 PM	Night classes begin
Monday, September 4	Labor Day Holiday
6:30 PM	Monday night classes will meet
Tuesday September 5	Last day to register for or add full-term or first-term classes
Wednesday, September 20	Last day to drop first-term (Q) classes without academic penalty
Wednesday, October 11	Last day to drop full-term classes without academic penalty
Wednesday, October 18	Midpoint in Fall Semester End of first-term (Q) classes Last day to file application for undergraduate and graduate degrees for Spring, 1990, Commencement
Thursday, October 19	Registration for second-term (QQ) classes Second-term classes begin
Wednesday, October 25	Last day to register for second-term (QQ) classes
Wednesday, November 8	Last day to drop second-term (QQ) classes without academic penalty
Tuesday, November 21	
9:15 PM	Thanksgiving Holidays begin
Monday, November 27	
8:00 AM	Classes resume
Saturday, December 2	Make-up day for MWF day classes and second-term (QQ) classes
Friday, December 8	Last day of regularly scheduled classes
Monday - Friday, December 11-15	Examinations (including night classes)
Friday, December 16	
6:30 PM	Commencement
Saturday, December 17	
12:00 Noon	Residence halls close

CALENDAR FOR SPRING SEMESTER, 1990

Hattiesburg Campus

Friday, December 15	Applications for admission should be submitted by this date
Sunday, January 14	Residence halls open
Monday, January 15	Registration by appointment
Tuesday, January 16	Registration continues Final orientation for new students
Wednesday, January 17	
8:00 AM	Day classes begin
10:00 AM	Late registration and add/drop begin
6:30 PM	Night classes begin
Monday, January 22	Last day to register for or add full-term or first-term (Q) classes
Tuesday, February 6	Last day to drop first-term (Q) classes without academic penalty
Tuesday, February 27	Mardi Gras Holiday for day classes
6:30 PM	Tuesday night classes meet
Wednesday, February 28	Last day to drop full-term classes without academic penalty
Wednesday, March 7	Midpoint in Spring Semester End of first-term (Q) classes Last day to file application for undergraduate and graduate degrees for Summer, 1990, Commencement
Thursday, March 8	Registration for second-term (QQ) classes Second-term classes begin
Friday, March 9	
6:00 PM	Spring Holidays begin
Monday, March 19	Classes resume
Wednesday, March 21	Last day to register for second-term (QQ) classes
Friday, March 30	USM Day
Wednesday, April 4	Last day to drop second-term (QQ) classes without academic penalty
Thursday, April 12	
9:15 PM	Easter Holidays begin
Monday, April 16	Easter Holiday continues for day classes
6:30 PM	Monday night classes meet
Tuesday, April 17	Classes resume
Wednesday-Thursday	
May 2 - 3	
6:30 PM	Wednesday and Thursday night class examinations
Friday, May 4	Last day of regularly scheduled classes
Monday-Friday	Examinations (including Monday and Tuesday night classes)
May 7-11	
Friday, May 11	
6:30 PM	Commencement
Saturday, May 12	Residence halls close

CALENDAR FOR SUMMER SESSION, 1990

Hattiesburg Campus
(Ten-Week Term)

Friday, May 11	Applications for admission should be submitted by this date
Sunday, June 3	Residence halls open
Monday, June 4 6:20 PM	Registration by appointment Final orientation for new students Monday night classes meet
Tuesday, June 5 10:00 AM	Day classes begin Late registration and add/drop begin
Friday, June 8	Last day to register for or add full-term or first-term (Q) classes
Monday, June 18	Last day to drop first-term (Q) classes without academic penalty
Monday, July 2	Last day to drop full-term classes without academic penalty
Wednesday, July 4 6:20 PM	Independence Day Holiday Wednesday night classes will meet
Thursday, July 5	Mid-point in Summer Session End of first-term (Q) classes Last day to file application for undergraduate and graduate degrees for Fall, 1990, Commencement.
Friday, July 6	Registration for second-term (QQ) classes Second-term classes begin
Thursday, July 12	Last day to register for or add second-term (QQ) classes
Thursday, July 19	Last day to drop second-term (QQ) classes without academic penalty
Saturday, July 28	Make-up day for MWF day classes
Friday, August 3	Last day of regularly-scheduled classes
Monday-Friday August 6-10	Examinations (including night classes)
Friday, August 10 6:30 PM	Commencement
Saturday, August 11	Residence halls close

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GENERAL INFORMATION

Historical

The University of Southern Mississippi was established by an act of the Legislature approved on March 30, 1910, by Governor Edmund F. Noel. Its first name was the Mississippi Normal College, and its original purpose was to train teachers for the rural schools of Mississippi.

The act of March 30, 1910, did not provide any state money for the building of Mississippi Normal College, but did provide that localities in the state might bid for its location by offering land for a site and money for constructing buildings. On September 16, 1910, the Board of Trustees accepted the bid of Hattiesburg and Forrest County to supply $250,000.00 and a free site. That site was west of the city in cut-over timberland with great pine stumps everywhere. Contracts were let to clear the land and to build buildings.

The five permanent buildings (College Hall, Forrest County Hall, Hattiesburg Hall, the Industrial Cottage [now the Honor House] and the President's Home [now the Alumni House]), a temporary wooden Dining Hall, and other necessary improvements were barely finished when the Mississippi Normal College opened on the rainy morning of September 18, 1912, with a president, a faculty of eighteen, and a student body of 200.

On October 17, 1911, Joseph Anderson Cook, Superintendent of Schools, Columbus, Mississippi, was elected president. The University of Southern Mississippi has had only six presidents during the seventy-five years since its founding. The Board of Trustees elected Claude Bennett president effective October 10, 1928. On April 23, 1933, the Board of Trustees elected Dr. Jennings Burton George as the third president, effective July 1, 1933. On June 13, 1945, the Board of Trustees elected Dr. Robert Cecil Cook as the fourth president and he officially assumed office on July 1, 1945. On October 21, 1954, President Cook submitted his resignation. He served until December 31, 1954, and Dr. Richard Aubrey McLemore became acting president on January 1, 1955. The Board of Trustees, on May 19, 1955, elected Dr. William David McCain as the fifth president. He officially assumed office on August 1, 1955, and retired as of June 30, 1975. Dr. Aubrey Keith Lucas became the sixth president of the University on July 1, 1975.

As has been stated, the University of Southern Mississippi was founded on March 30, 1910, as the Mississippi Normal College. On March 7, 1924, the Legislature changed the name to State Teachers College. On February 8, 1940, the Legislature changed the name to Mississippi Southern College, and on February 27, 1962, the Legislature changed the name to the University of Southern Mississippi.

The Mississippi Normal College did not grant degrees in its early years, but awarded certificates for the completion of certain specified courses of study. On April 8, 1922, the Legislature authorized the awarding of the Bachelor of Science degree. The Bachelor of Music degree was authorized by the Board of Trustees on June 19, 1934. The first Bachelor of Arts degree was awarded on August 20, 1940. On May 26, 1947, the Board of Trustees authorized the initiation of graduate work and the awarding of the Master of Arts degree. In the years since 1947, the University's graduate programs have developed logically to meet the needs for professional competence beyond the academic measure of the baccalaureate degree. Doctoral programs were first authorized by the Board of Trustees on May 20, 1959.

The administrative and academic organization of the University of Southern Mississippi is divided into the following areas: Executive Assistant to the President, Vice President for Academic Affairs, Vice President for Research and Extended Services, Vice President for Business and Finance, Vice President for Student Affairs, and Director of Intercollegiate Athletics.

The academic area of the University of Southern Mississippi is organized into the College of The Arts, the College of Business Administration, the College of Education and Psychology, the College of Health and Human Sciences, the College of Liberal Arts, the College of Science and Technology, the Honors College, the Graduate School, and the Division of Lifelong Learning.

The number of graduates is some measure of the growth of a university. The University of Southern Mississippi has awarded 69,973 degrees since the first one was conferred in 1922.

Research has been strengthened at the University of Southern Mississippi in several ways; the number of doctoral degrees has been increased; the University has established its own scholarly journals *The Southern Quarterly, Educational and Psychological Research,* and *Business Insights;* the Computing Center has been equipped to expedite contracts and faculty research; the Office of Research and Sponsored Programs has been established by the University to promote research and to assist faculty members in their research activities; and the University of Southern Mississippi is a participating member of the University Press of Mississippi established on May 1, 1970. For further information on the University's research program, see the **Graduate Bulletin.**

The University of Southern Mississippi was established by the State of Mississippi, is owned by the State of Mississippi, and is operated and financed by the State of Mississippi. Its first Board of Trustees was established by the legislative act of March 30, 1910, and that board governed only this one institution. On February 2, 1932, the Legislature established the Board of Trustees of State Institutions of Higher Learning and placed under its jurisdiction the five colleges and one university owned and operated by the state. On November 3, 1942, the people of the state voted to make the Board of Trustees of State Institutions of Higher Learning a constitutional board for all colleges and universities of the state. The University of Southern Mississippi is now operated under the jurisdiction of that constitutional board.

Beginning the Fall Quarter, 1972, credit was awarded in terms of semester rather than the traditional quarter hours although the University continued to operate on a quarter calendar, thus regularizing the credit system throughout the state's university system. Beginning with the Fall Term, 1978, the University changed to the regular semester system.

UNIVERSITY MISSION AND GOAL

The University of Southern Mississippi, located in the south central part of the state, is operated by the State of Mississippi as one of eight public universities. The University identifies its primary service area as the southern half of the state, although as a university, it is committed to serve the entire state with programs and services not available from other public educational institutions, with programs and services in which the University has specialized expertise, and with programs and services where the University is uniquely organized to fulfill existing needs. The University also believes that it should serve residents of other states and areas as far as possible within the limits of the law, financial resources, and physical facilities, and the University accepts the principle that a student body with divergent backgrounds is often desirable in creating an educational environment. In this belief and acceptance, the University sees itself as a regional institution.

While the University feels that it is accountable to all of its clientele for the highest quality possible in its programs and services, it acknowledges that by virtue of its being a state institution, it ultimately is responsible to the citizens of the State of Mississippi, their duly elected representatives, and their appointed representatives of legally constituted agencies.

THE PURPOSES OF THE UNIVERSITY

The University of Southern Mississippi is an emerging, comprehensive institution committed to seek and reward distinction among its programs, faculty, students, and services. Its purposes are to provide high-quality teaching, research, and service for the benefit of the people of Mississippi, the Gulf South, and the nation. In the direction for excellence set forth by the Board of Trustees of State Institutions of Higher Learning, in the stated commitment of its administration to aim at distinction, and in the energetic atmosphere created by faculty, students, and alumni, the University has an affirmative context as well as a capacity for its movement toward greater recognition of its programs and services.

The transmission of knowledge—instruction in its broadest sense—continues to be the University's central concern. As a comprehensive term, the transmission of knowledge incorporates the University's fundamental commitment to excellence in teaching and instructional activities which provide all students, at any stage of their lives and careers, with a wide array of opportunities for both a liberal education and specialized professional preparation. At the same time, the University transmits knowledge in all of its functions: by presentation, publication, and application of its research; by its far-reaching service programs; and by the sustained enrichment of the University community through broad experiences in the creative arts. As it aims toward recognition and distinction, the University seeks coherence and interdependence among teaching, research, and service, as it likewise seeks coherence and a continuum among undergraduate, graduate, and lifelong learning.

The University is in the same manner committed to the expansion and preservation of knowledge. Research is defined in the broadest possible terms, both in language appropriate to various disciplines and to its nature as an adventure in human thought. The University is expected to be a center for creativity and the development of new knowledge. The University aims, too, to preserve what is known by means of its libraries, museums, galleries, collections, and archives.

In the expansion and preservation of knowledge, as well as in its transmission, the University means to serve the large community to which it is responsible. It will continue to provide various learning opportunities through its programs of extension and continuing education, and it commits the full range of its intellectual resources to meet the changing needs of the society which it serves.

ADMISSION REQUIREMENTS AND PROCEDURES

All communications regarding entrance to the **undergraduate** colleges and schools of the University should be addressed to the Office of Admissions and Records, University of Southern Mississippi, Southern Station, Box 5011, Hattiesburg, MS 39406-5011.

Eligibility for admission will be determined when the application, ACT score, and scholastic records have been submitted. These items should be received before the deadline date of the semester for which the student is applying (see Calendar). The academic record, character, and conditions of application of the applicant must be in accordance with the rules and regulations of the Board of Trustees of State Institutions of Higher Learning and with the laws of the State of Mississippi. The applicant must have excellent moral character and must be willing to conduct his or her affairs so as to be a credit to the University. The University reserves the right to cancel the admission or registration of an individual whose attendance at the University, in the opinion of the appropriate administrative officer and the President, would not be mutually beneficial to himself or herself and to the institution. Any undergraduate applicant who is denied admission to the University may have his or her case reviewed by the Undergraduate Committee for Admissions and Credits. To initiate the review procedure, the student should contact the Office of Admissions and Records. Applicants should note carefully the law governing legal residence and the penalty for falsifying residence information. The law appears in the STUDENT EXPENSES Section of this **Bulletin. The University of Southern Mississippi does not discriminate on grounds of sex, race, color, religion, or national origin. These provisions also apply to handicapped individuals pursuant to current federal and state regulations subject to reasonable standards of admission and employment. All inquiries concerning discrimination should be referred to The President's Executive Assistant, Room 108, Administration Building, University of Southern Mississippi, Hattiesburg, Mississippi 39406-5177**

All inquiries concerning admission to the University should be addressed to the Office of Admissions and Records, Southern Station Box 5011, Hattiesburg, MS 39406-5011.

ORIENTATION

New fall freshmen and transfer students entering the University of Southern Mississippi are encouraged to participate in the summer orientation program, Orientation '89. The USM Orientation '89 is designed to acquaint students with University structure, policies, procedures, physical layout, faculty, students, organizations, and academic programs. Activities scheduled during the program include the following: evaluation of credit for transfer students, placement testing, academic advisement, small group sessions, open house for organizations, scheduling of classes, and registration.

Parents of freshmen are also invited to attend the summer orientation program. Special sessions planned for parents include discussions about University policies, including finances, housing, student activities, educational and recreational opportunities, and academic programs.

For more information contact by mail or phone:

Student Orientation
Southern Station Box 5112
Hattiesburg, MS 39406-5112
(601) 266-4848

SPECIAL ADMISSIONS

The University has several special admissions categories for highly qualified high school students. To be considered for **EARLY ADMISSIONS,** the applicant must have achieved an exceptional record on a minimum of fifteen (15) units in an accredited high school, have the unqualified recommendation of his or her principal or headmaster, and have achieved a minimum composite score of twenty-four (24) on the American College Test. The University also offers highly qualified high school students the opportunity to earn college credits while they are enrolled in high school. Through our **DUAL ENROLLMENT** program, high school students may take one (1) course per term at the University, provided that the course does not interfere with their high school curriculum. To be Dually Enrolled, the applicant must secure a Letter of Recommendation from his or her high school counselor and must have a minimum composite score of 24 on the ACT. The final form of special admissions is the University's **SPRINGBOARD** program. SPRINGBOARD is a summer program open to rising high school seniors. The applicant must have a minimum composite score of 24 on the ACT and a Letter of Recommendation from his or her high school counselor. For information concerning either **EARLY ENROLLMENT** or **DUAL ENROLLMENT**, make all inquiries

to Director of Admissions, Southern Station, Box 5011, Hattiesburg, MS 39406-5011. Inquiries concerning **SPRINGBOARD** should be addressed to SPRINGBOARD COORDINATOR, Southern Station, Box 5166, Hattiesburg, MS 39406-5166.

ADMISSION BY EXAMINATION

A student who has not been graduated from high school may be admitted if he or she achieves a standard score of forty (40) on each of the five tests or an average standard score of forty-five (45) on all five tests of the high-school level General Educational Development Tests and attain a minimum ACT composite score of twenty-four (24). The applicant must provide evidence that a high school equivalency certificate has been issued. The applicant should request the State Department of Education of the state which issued the certificate to provide an official transcript of the GED. The University does not award credit for the General Educational Development Tests, College Level.

ADVISEMENT

All new students are assigned to academic advisers and are given specific times to meet with their advisers for assistance in scheduling classes and planning programs of study to meet their individual needs. Assignment of advisers is based on the student's stated educational or career plans. Those students who have not established definite educational or career plans are assigned to advisers in General Studies. The General Studies Academic Advisement Center and The Career Center provide a program of academic and career counseling for prospective students of the University.

APPLICATION PROCEDURES FOR FRESHMEN

HOW TO APPLY

Each entering freshman applicant is required to:

1. Present an application for admission.
2. Submit, beginning with the fall term of 1986, an official high school transcript which states the date of graduation and which indicates credit in the following high school units in grades 9-12:

Subject	Units	
English	4	- All must require substantial writing components.
Mathematics	3	- Algebra I, Geometry, and Algebra II or higher mathematics.
Sciences	3	- Choose from Biology, Advanced Biology, Chemistry, Advanced Chemistry, Physics, Advanced Physics. One of those chosen must be laboratory based.
Social Sciences	2½	- Must include United States History and American Government.
Required Elective	1	- Choose from a foreign language or mathematics or a science (chosen from the science courses listed above).

It is recommended that students also pursue two units of foreign languages, a unit of mathematics and a computer science course during their senior year, and gain a level of typing proficiency.

A minimum ACT composite score of 15 is required for admission.

Any student with an ACT composite score of 24 or above is exempt from the Board's high school units requirement.

Beginning Fall, 1986, any student whose ACT composite score is between 15 and 23 may be allowed to enter with a maximum of three (3) deferrals, one of which must be exempted with an 18 ACT subtest score in an area of deficiency.

By Board policy, students allowed to enter the University with deferrals must pass a specified course(s) in the area(s) of the deferral(s) during their first term of enrollment. Failure to pass the specified course(s) during the restricted time period will result in dismissal from the University.

Any student who graduated from high school prior to or in December, 1985, or who was enrolled in any institution of higher learning prior to Fall 1986, is not bound by the 1986-87 freshman admission requirements.

When the application, transcript, and ACT results have been received, the Office of Admissions and Records will inform the applicant of his or her admission status. If the student applies early in his or her senior year, a notice of admission status is issued as soon as evaluation is completed. In addition to students admitted with a fifteen (15) composite score on the ACT, the University may enroll a number equivalent to five (5) percent of the previous year's freshman class enrollees or fifty (50) students (for summer, fall, and spring terms) to accommodate talented and/or high risk students with an ACT composite score of nine (9) and up to the current minimum admissions standards.

Entering freshmen who have been admitted to the University but have less than a score of 12 in the ACT Sub-test scores in English, Mathematics and/or Social Sciences MUST register for the appropriate developmental courses in accordance with Board of Trustees regulations. These courses will automatically be placed on the applicant's Registration Appointment Form. With the approval of the instructor, the student enrolled in any developmental course may "test out" of the course at any time during the term of the course. The student MUST pass all required developmental courses during his or her first two terms of enrollment at the University. Failure to pass the required developmental course within the first two terms of enrollment will result in the student's Administrative Dismissal from the institution. Any student Administratively Dismissed from the institution for failure to pass required developmental courses must attend another accredited institution and must pass a course in the required developmental area before he or she can be considered for readmission to the University.

WHEN TO APPLY

A high school student, especially one who is also applying for financial aid, is urged to apply for admission early in his or her senior year. The applicant should have his or her high school mail to the Office of Admissions and Records a transcript complete for his or her first six semesters. A student who applies during his or her final senior semester should provide a transcript complete for the first seven semesters. The deadline for receipt of applications and all required credentials, including results of the American College Test, is twenty (20) days in advance of the session for which the application is being made. An application is processed as soon as possible after all required items are available. A notification of admission is then issued to the admissable student.

TRANSFER STUDENTS

HOW TO APPLY

Each new student who has attended other colleges or universities and who is seeking admission to an undergraduate college is required to file with the Office of Admissions and Records an application for admission (form to be obtained from that office). He or she should also request the authorities at each institution attended to send an official transcript of his or her record to the Office of Admissions and Records. The student who is applying with fewer than twenty-four (24) semester hours of college credit acceptable by this University must also have sent to the Office of Admissions and Records an official high school transcript showing the date of graduation. The applicant must also provide an official report of the American College Test scores directly from the testing service. Applications will be processed and admission status determined when all required items, including the ACT where applicable, are on file.

Any prospective transfer students who have achieved all of the standards as specified by the Board of Trustees for admission to the universities under the governance of the Board of Trustees but who choose to attend an institution not under the governance of the Board of Trustees may transfer at any time to an institution under the Board of Trustees. This does not alter individual institutional requirements regarding transfer students.

Any student whose ACT composite score is below an institution's minimum required score and who has not been selected as a high risk student by the institution must attend an accredited institution of higher learning other than those under the governance of the Board of Trustees and must attain a **C** average (2.0 GPA on a 4.0 scale) in the following twenty-four (24) semester credit hours:

6 semester hours English Composition
3 semester hours College Algebra or above
6 semester hours Laboratory Science
9 semester hours Transferable Electives

The applicant also must show that he or she has earned an overall GPA of 2.0 on all course work attempted. Developmental courses in English, mathematics, and reading will not be accepted for transfer credit, nor will the grades and hours be used in computation of the individual GPA for admission to the University.

Transfer students may be accepted from other institutions of higher learning only when the program of the transferring institution is acceptable to the receiving institution, the program of studies completed by the student meets the requirements established above, and the quality of work performed by the student is acceptable to the Board of Trustees. The authorities at the institutions under the jurisdiction of this Board are authorized to require acceptable scores on recognized tests for such transfer students. No student seeking to transfer during the midst of the session, quarter, semester, or trimester of the institution in which he or she is currently enrolled can be considered.

A student currently enrolled in another institution at the time he or she makes application for admission for the following session to one of the undergraduate colleges of this University should arrange to have forwarded to the Office of Admissions and Records an official transcript which includes a listing of courses in progress as well as all completed work. Transfer credit is accepted only from institutions of higher learning which are accredited by a regional accrediting agency or the Mississippi Association of Colleges.

The student must indicate on the application all previous college attendance. An applicant is not permitted to ignore previous college attendance or enrollment. A student who misrepresents information in filling out the admission application form or a student who finds after admission or enrollment that he or she is ineligible for academic or any other reason to return to his or her last institution and who fails to report this immediately to the Office of Admissions and Records will be subject to disciplinary action, including possible dismissal from the University.

At the discretion of the executive officer, the University may allow a limited number of high risk transfer students to enter who have not met the entire 24-hour transfer requirement. This number shall be no greater than a number equivalent to five percent of the previous year's (for summer, fall, and spring terms) first-time transfer students. Each high risk student must have achieved a minimum of fifteen (15) transferable semester hours, with a minimum grade point average of 2.0 on a 4.0 scale. These fifteen (15) hours must include six (6) hours of English Composition.

WHEN TO APPLY

The application, required credentials, and the ACT results (when applicable) must be on file in the Office of Admissions and Records not less than twenty (20) days in advance of the session for which application is being made.

ADMISSION PROCEDURE

When the application, all required credentials, and the ACT results (if applicable) have been received, the Office of Admissions and Records will provide the applicant a notice of admission status.

Transferred credit will be evaluated after admission status has been determined. If an evaluation is received prior to registration day, the student should bring it for use during advisement. Otherwise, the student should contact the Office of Admissions and Records upon arrival on campus for the purpose of attaining a transfer credit evaluation.

GENERAL TRANSFER REGULATIONS

The University requires a grade average of **C** in all previous college work. The applications of students whose records do not meet the indicated requirements may be subject to review by the Director of Admissions or the Admissions and Credits Committee.

A student under academic suspension from another college or university may not enter the University of Southern Mississippi during the term of his or her suspension. Upon termination of the suspension period there is no bar to admission if he or she is eligible in other ways.

In general, students under disciplinary suspension are not admitted to the University of Southern Mississippi.

Students from fully accredited institutions ordinarily will be given full credit for work transferred into the University, insofar as the courses taken are the same as, or equivalent to, courses offered in the college in which the student enrolls in this institution.

Credits transferred from an accredited community/junior college will be accepted as determined by the college in which the student is enrolled. In accepting community/junior college credits, no courses will be considered as above sophomore level. Credit earned in institutions which have not been fully accredited is usually accepted on the same basis set by the university designated as the state university of the state in which they are situated. When acceptance of credit on a validation basis is indicated, the student will be required to validate such credit by at least a 2.0 index on his or her first 12 semester hours of residency study here. Examinations for the validation of credit may be required.

Neither vocational nor developmental/remedial courses will be accepted for transfer credit, nor will the grades made on these courses be used in computation of the grade point average for admissions purposes.

TRANSFER CREDITS

Credits transferred from accredited institutions are reproduced on the permanent records of the University of Southern Mississippi. This action is evidence that the credits are considered valid. **Validity,** however, is not to be confused with acceptability or applicability.

Applicability of transfer work depends upon the coincidence of transfer credits with the requirements of a particular curriculum. **Applicability** varies from curriculum to curriculum, not only for transfer students from other institutions but for students transferring from one school or curriculum to another within the University of Southern Mississippi. In either case the upper limit of the number of applicable credits is the number of accepted credits. **Applicability** is determined by the dean of the college to which one is admitted.

Transfer hours passed will be accepted. To meet graduation requirements transfer students must have an overall **C** average, calculated by the method currently in use at the University of Southern Mississippi, on all hours scheduled and rescheduled at all institutions attended, including the University of Southern Mississippi. Excessive quality points earned at other institutions cannot be used to offset any deficiencies at the University of Southern Mississippi. **Acceptance of community/junior college work is limited to one-half of the total requirements for graduation in a given curriculum. The last half of the total hours applied toward graduation must be earned in a senior college.** (See also "Graduation and Degree.")

A maximum of sixty-four (64) semester hours of credit earned through Credit by Examination, independent study courses, extension courses, and educational experiences in the armed forces combined may be counted toward a degree at the University of Southern Mississippi. No more than thirty (30) semester hours in a degree program may be earned through Credit by Examination.

Credit will not be granted for college courses carried at another institution of college level when a student is enrolled for residence credit in this University except upon prior written approval of the dean of the college in which the student is enrolled.

TRANSCRIPT EVALUATIONS AND VALIDATION OF UNACCREDITED CURRICULUM

The Office of Admissions and Records is charged with the responsibility of providing transferring students and their advisers with Transcript Evaluations on a timely basis. An Official Transcript Evaluation will be completed only after all the required official documents necessary to the applicant's admission to the University have been received by the Office of Admissions and Records. For the convenience of both the student and adviser, an Unofficial Transcript Evaluation will be provided to assist in advising and in the procurement of Financial Aid and Veterans Administration benefits, etc. Any student in an "Unclear" admission status or in a Non-Degree category cannot be granted an Official Evaluation. However, once the "Unclear" status has been "Cleared" or the Non-Degree student has moved into a degree-granting category (See NON-DEGREE STUDENT for details), the Official Evaluation will then be completed and posted on the student's academic record.

Non-traditional credits awarded by another institution will be evaluated in terms of current policy at the University of Southern Mississippi. Unless the basis for awarding the credit is readily identifiable, no credit will be allowed until such time as the student, through the awarding institution, can establish the creditability of the curriculum.

Students who have attended unaccredited institutions may request validation of the curriculum passed at those institutions once they have completed twelve (12) semester hours (9 semester hours at Gulf Park) with a minimum 2.0 GPA. The student must make a written request to the Office of Admissions and Records requesting validation of this transfer curriculum. In all cases, the applicability toward degree of all validated credit will lie with the department chair and the dean of the college of record.

ACCEPTANCE OF MILITARY CREDIT

1. Credit for military schools and educational experiences in the armed forces is awarded on the basis of recommendations of the American Council on Education.
2. Correspondence and/or extension courses, including USAFI/DANTES college level courses, may be applied toward a degree up to a maximum of thirty-two (32) semester hours. No more than nine (9) semester hours of correspondence (USAFI) work may be earned in any one field.
3. Credit from the Community College of the Air Force is accepted toward a degree.
4. A maximum of sixty-four (64) semester hours of credit earned by independent study, extension, and military experience combined may be applied toward a degree.

REQUIREMENTS FOR MILITARY PERSONNEL: THE BOOTSTRAP PROGRAM

In order to receive an official evaluation of credits to determine eligibility for Bootstrap attendance, the following educational credentials must be forwarded:

1. A properly executed military DD Form 295.
2. Official transcripts bearing the raised seal from each institution where credit has been earned.
3. Official transcripts and CLEP scores for courses completed through the United States Armed Forces Institute, Madison, Wisconsin.
4. Official high school transcript.
5. An application for admission submitted with the request for an evaluation.

All documents and correspondence should be directed to:
Office of Admissions and Records
Bootstrap Program
University of Southern Mississippi
Southern Station, Box 5006
Hattiesburg, MS 39406-5006

REQUIREMENTS FOR SCHOOL OF NURSING, BACCALAUREATE

Students desiring admission to the School of Nursing are subject to the admission procedures and standards of the University. To be admitted to the baccalaureate nursing major, students must meet the following minimum requirements:

1. Completion of all prerequisite courses or their equivalent with a grade of **C** or above in each course.
2. Have an ACT composite of 18 or above; if ACT score is below 18, an overall GPA of 2.50 on all work attempted and no less than a **C** in each of the natural, behavioral, and social science courses. All students admitted to the nursing major must have an ACT score.

NON-DEGREE STUDENTS

WHO MAY APPLY

For the adult who wishes to complete certain specific undergraduate courses and not pursue a degree, admission may be granted through the Office of Admissions and Records on a non-degree status provided the applicant meets these conditions:

1. Has a high school diploma or its equivalent.
2. Is at least 21 years of age.

REGULATIONS GOVERNING NON-DEGREE STUDENTS

Previous academic records are required of all applicants. Applicants for non-degree status are required to certify that they are not under suspension from any college or university. A student found guilty of non-disclosure or misrepresentation in filling out the admission application form, or a student who finds after admission or enrollment that he or she is ineligible for academic or any other reason to return to his or her last institution and who fails to report this immediately to the Office of Admissions and Records, will be subject to disciplinary action, including possible dismissal from the University.

The student registered in non-degree status is subject to all University regulations governing registration, attendance, and academic standing. Credit earned in non-degree status is recorded on the student's permanent record and may be applied in an undergraduate degree program when the student has satisfactorily established degree status by meeting the entrance requirements of the University and of the degree-granting college of his or her choice. A non-degree student may not register for more than twelve (12) semester hours per semester.

THIRTY-HOUR LIMITATION ON NON-DEGREE STATUS

A student is permitted to earn a maximum of thirty (30) semester hours of credit in non-degree status. No undergraduate college of the University will accept in a degree program in excess of thirty (30) semester hours earned while the student has been registered in non-degree status, nor is a college obligated to accept any hours earned in non-degree status which do not fulfill college degree requirements. The student who is approaching the thirty (30) hour limitation in non-degree status, if he or she wishes to continue taking courses for credit, should consult the Office of Admissions and Records concerning procedures required to establish regular degree status.

Non-degree students applying for regular status are required to follow admission procedures and to provide all items requested of transfer students.

REQUIREMENTS FOR FOREIGN STUDENTS:

Regular University Programs

1. International students without previous records at colleges or universities within the United States must meet the requirements outlined above for admission as a freshman with the exception of the specified ACT score. A composite standard score of twenty (20) is required for admission.
2. If English is not the native language of the student, a score of at least 525 is required on the TOEFL (Test of English as a Foreign Language) in most departments. Contact the Director of International Admissions for TOEFL scores required by specific academic departments.
3. Because application processing requires more time for international students, all applicants residing outside the United States must submit all application materials at least **three months** before the proposed date of entry into the University. International student applicants residing inside the United States must submit all application materials at least **two months** before the proposed date of entry into the University.
4. International students who have already attended colleges or universities within the United States must meet the requirements outlined above for admission as transfer students. The TOEFL requirement may be waived if the transfer student has successfully completed all freshman English requirements with an average of 2.0 or better.
5. A twenty-five dollar ($25.00) non-refundable fee must accompany each international student's application for admission.
6. International students applying for admission to regular university programs should send documents and correspondence to:

   Director
   Office of International Admissions
   Center for International Education
   University of Southern Mississippi
   Southern Station, Box 5151
   Hattiesburg, MS 39406-5151
   U.S.A.

English Language Institute Programs

1. International students between the ages of 17 and 70 are eligible for admission. Students 17 years of age, however, must attach to their application a complete copy, in English, of their high school diploma or transcript.
2. Applications must include a letter from a bank or supporting agency verifying availability of funds.
3. To help assure acceptance, applicants should see that their applications are received by the University of Southern Mississippi at least 21 calendar days prior to registration for the course for which application is made. No student will be allowed to register after Tuesday of the first week of classes.
4. No application can be processed and no Immigration Form I-20 can be processed until all required materials have been received by the University.
5. A Dual I-20 Form can be issued to those students accepted by the English Language Institute and deemed academically admissible by the University. This I-20 Form enables a student to enter the University in a degree-granting program once all admission requirements have been met.

Foreign students interested in attending the English Language Institute at the University of Southern Mississippi for intensive studies in English should direct all correspondence to:

Director
English Language Institute
Center for International Education
University of Southern Mississippi
Southern Station, Box 5065
Hattiesburg, MS 39406-5065
U.S.A.

IMMUNIZATION REQUIREMENTS

All students (including transfers) entering the University for the first time and enrolling for academic credit must document proof of immunization for measles and rubella.

1. Proof of immunization may be documented in the following manner:
   a. Obtain a Certificate of Compliance with Immunization (Form No. 121-C) from your local Mississippi State Board of Health Office, if you are a resident of the State of Mississippi;
   b. Documentation (month and year) of immunization which was received after the first birthday;
   c. Positive measles and rubella serology titer with date;
   d. Physician-documented history of having had measles with date of disease. History of rubella is not acceptable.
2. Temporary exceptions - one semester;
   a. Pregnant women;
   b. Women suspecting pregnancy;
   c. Women anticipating pregnancy within three months.
3. Permanent exceptions:
   a. Medical disease which will cause a permanent contraindication to immunization;
   b. All persons born prior to 1957.

READMISSION TO THE UNIVERSITY

Students who have previously attended the University and have a break in attendance of one or more terms must file an application for readmission. Readmission documents required include an official transcript from each institution attended since leaving USM, and, if a degree has been received from another institution, an official transcript showing that degree.

Students must meet the minimum admission standards of the University and be in good standing at all institutions attended since leaving USM in order to be eligible for readmission.

Questions concerning readmission should be directed to the Office of Admissions and Records.

FAMILY EDUCATIONAL RIGHTS AND PRIVACY ACT OF 1974

(Buckley Amendment)

The Buckley Amendment deals with one subject only: educational records. The purpose of the law is to define, more precisely than ever has been done, who may or may not see them. On the one hand, the law grants students guaranteed access; on the other hand, it takes from the universities the privilege of indiscriminate disclosure.

The Buckley Amendment sets forth these main requirements:

(1) it allows a student access to each educational record that a university or college keeps on him or her;

(2) it requires the institution to establish a policy on how students can go about seeing specific records;

(3) it requires the institution to inform all students as to what rights they have under the Amendment, how they can act on these rights according to school policy, and how they can see a copy of the policy; and

(4) it requires the institution to seek student permission, in writing, before disclosing any personally identifiable record to individuals other than professional personnel employed in the university or college (and others who meet certain specified requirements).

The University has developed and put into writing a policy for handling requests from students and for disclosing personally identifiable information about students. Students are notified at least once a year of their rights under the law by publishing the University policy in the student newspaper.

BULLETINS

The University of Southern Mississippi has four publications each year; the **Undergraduate Bulletin,** the **Graduate Bulletin,** the **Independent Study Bulletin,** and the **Regional Campus Bulletin.** To get the complete programs of the University, please check each **Bulletin.**

RETENTION OF STUDENTS AND PROGRAM COMPLETION INFORMATION

The Office of Admissions and Records will provide, upon request, information regarding student retention as well as the number and percentage of students completing specific undergraduate programs at the University of Southern Mississippi. For further information, please contact:

Director of Admissions
Southern Station, Box 5011
University of Southern Mississippi
Hattiesburg, MS 39406-5011
(601) 266-5555

GENERAL ACADEMIC REGULATIONS

1. Penalties for Late Registration: Registration will continue after the close of the scheduled registration period (see Calendar) for five class days.

A late registration fee will be charged to all students registering after the scheduled registration period. The fee is ten dollars ($10.00).

2. Change of Schedule: A student is permitted to drop a course through the 30th class day. After the 30th class day, an academic dean may grant a student permission to drop a course under extenuating circumstances, at which time the student will receive a grade of **W** or **F**.

3. Withdrawal from the University: A student withdrawing from the University prior to the deadline for dropping classes will not receive any grades. His or her record will show the date of withdrawal only. A student withdrawing after the deadline for dropping courses will receive a grade of **W** or a grade of **F**.

a. **Withdrawal Procedures**

A student finding it necessary to withdraw from the University must begin the process with the dean of his or her college who shall initiate the Withdrawal and Refund Authorization Form. A student who is undecided on a major must begin the process in the Office of Student Orientation and Retention where the Withdrawal and Refund Authorization Form will be initiated.

b. **Refund Policy.**

The withdrawal deadline for receipt of a grade has nothing to do with the refund schedule for fees. A student who officially withdraws after enrollment may obtain a refund in accordance with the refund policy on page 44 of this **Bulletin.**

Appeals for refunds due to extenuating circumstances may be made in writing to:

Vice President for Business and Finance
University of Southern Mississippi
Southern Station, Box 5005
Hattiesburg, MS 39406-5005

4. Load of Work: The typical student load is twelve (12) to nineteen (19) semester hours. Nine (9) to fourteen (14) hours is considered a full load during the summer session. Nineteen (19) hours is the maximum load without dean of college approval.

5. Absences: Students are expected to attend all classes each time the classes meet. When it is necessary that a student be absent from a class, courtesy requires an explanation to the instructor in charge. Class attendance policy will be set by the professor. It will be the responsibility of each professor to notify his or her classes at the outset of each semester as to the attendance requirements to which each student must adhere.

6. Examinations: Examinations will be held as published in the schedule of classes. No final examinations are permitted prior to the scheduled examination period (see Calendar). A student who is absent from the final examinations without valid reason approved by the Vice President for Academic Affairs forfeits credit for the semester.

7. Grading System:

A — indicates superior work and carries 4 quality points per semester hour.

B — indicates excellent work and carries 3 quality points per semester hour.

C — indicates average work and carries 2 quality points per semester hour.

D — indicates inferior work and carries 1 quality point per semester hour.

E — indicates a course in progress. Not included in the grade point average, a grade of **E** shall be awarded for graduate thesis and dissertation courses and for such self-paced or skill courses as the Academic and/or Graduate Council may designate. An **E** shall be changed to a **P** or a valuative grade **(A,B,C,D,F)** only in the case of credit for thesis and dissertations and then only for the minimum hours required (usually 6 hours). Otherwise, the **E** remains on the record indicating that to receive credit the student must re-register for the undergraduate course, repeating it on a regular basis until completing it. Upon completion, the appropriate grade, whether **P** or valuative, shall be assigned.

F — indicates failure and carries no quality points. A grade of **F** may not be removed by taking an independent study course. The grade of **F** will also be assigned if a student withdraws from the University after the deadline and has failing grades at the time of withdrawal. See B-3.

W — indicates withdrawal from a course passing.

I — indicates an incomplete record and will have no immediate impact on a student's grade point average. An **I** is treated as an **F** at the time of graduation if not removed within one term of attendance. An **I** may not be removed by taking an independent study course. The **I** grade in an incomplete course will be treated as an **F** if the student chooses to re-register for the course.

N — indicates a failing grade in courses taken on a pass-fail basis (does not count in computing GPA).

P — indicates a passing grade in courses taken on a pass-fail basis (does not count in computing GPA).

X — indicates failure to drop or withdraw properly, but only before the 25th class day. It will count as an **F** in the student's grade point average and may not be used for a student who simply stops attending class after the drop date. Upon completion of the drop/withdrawal form and payment of the appropriate fees, the Registrar is authorized to replace the grade of **X** with a **W.**

Pass-Fail: Students may take courses either on a pass-fail basis or for a grade. The option must be exercised at the time of registration, and the option may not be altered after the deadline for adding courses. No more than thirty-six (36) semester hours earned in independent study or pass-fail courses, with a limit of eighteen (18) semester hours of pass-fail courses, may be applied toward a degree. No more than twelve (12) semester hours earned from the same department by independent study or pass-fail courses may be applied toward a degree. A student may not take a course on a pass-fail basis to repeat a course for the purpose of improving the grade point average or to remove an **Incomplete.** Such courses cannot be a part of a prescribed degree program, i.e., core requirements, major, or minor.

Audit: A student who takes a course for audit (non-credit) must meet the class in the same manner as a student regularly enrolled. Although no credit is awarded, a student who meets the instructor's requirements for a successful audit will receive an appropriate entry on his or her official record. The instructor has the right to remove a student from the final grade roster for non-attendance. The credit option (audit to credit or credit to audit) may not be changed after the deadline for adding courses. **The fee for audit is the same as if registered for credit.**

Computation of Grade Point Averages: Quality point averages are based on the number of hours undertaken rather than the number of hours passed in determining whether a student meets minimum standards. The total hours attempted, for suspension purposes, will include credit undertaken at the University and credit transferred; the quality point average will involve only credit for courses attempted at the University of Southern Mississippi.

Courses in which a student receives an **E** will not be counted in the "total hours attempted."

An undergraduate student will be permitted to repeat courses a total of six (6) times or a total of eighteen (18) semester hours in order to improve his or her grade-point average. (That is he or she may repeat one three-hour course six times, three three-hour courses twice each, six three-hour courses once each, etc.) The six-repeat rule shall include all repeats including junior college or any other college or university work. The first six (6) repeats used shall stand. Other than these "repeats" all credit attempted will be used in computing the grade-point average. This policy became effective with courses taken after September 1, 1967.

Dean's List: Students will be placed on the Dean's List if they have maintained a quality point average of 3.25 or above on an academic load of twelve (12) semester hours or more, provided they have no grade of **D** or below (includes **F, I,** or **X**).

President's List: Students will be placed on the President's List if they have earned a quality point average of 4.0 (all **A's**) on a load of twelve (12) semester hours or more (provided there are no grades of **I, X**).

8. Academic Standards: An undergraduate student will be allowed to continue in the University as long as the following grade point average (GPA) is maintained. In some cases, a higher minimum allowable GPA is specified by the University or by specific colleges within the University. This GPA must be maintained in addition to the requirements listed below.

Total Hours Attempted (Including transfer credit)	**Minimum Cumulative GPA Required** (USM work only)
0 - 26	1.50
27 - 53	1.75
54 and above	2.00

Total hours attempted will include credit taken at the University and any credit which might have been transferred. Courses in which a student has received an **I, E,** or **Pass-Fail** credit will not be counted in the total hours attempted. The GPA will be computed based upon credits earned at USM only.

If a student does not attain the minimum GPA on the scale, he or she is placed on academic probation at the end of the academic term. Academic probation will be removed when the student attains the acceptable GPA as shown above. Otherwise, he or she will be placed on academic probation continued for as long as he or she earns at least a 2.00 average per term or attains the acceptable GPA. The first term a student does not earn at least a 2.00 average while on academic probation continued he or she will be suspended by the University. Notice of academic probation, academic probation continued, or suspension will be shown on the end-of-term grade report.

A student placed on academic suspension may not register until he or she has been reinstated through an appeal process through the dean of the college in which he or she is enrolled as a major. Probationary status does not require an appeal for reinstatement.

This Statement of Academic Standards became effective with the beginning of Fall Semester, 1985-86.

Any student who earns a **0.00** grade point average on twelve (12) or more hours for any one semester will be automatically suspended regardless of the overall grade point average and must appeal the suspension in the same manner as any other academically suspended student.

Students on disciplinary suspension may not enroll in any courses offered by the University of Southern Mississippi.

9. Memorandum of Credits/Transcripts: A memorandum of credits is a statement available from the Office of Admissions and Records showing the courses completed and credits earned by the student as of the date of the memorandum. Memoranda are $1.00 each. Transcripts are official memoranda of credits carrying the official seal of the University and are $2.00 each.

10. Change of Major within a College: Any student wishing to change his or her major within a college must secure the approval of the dean.

11. Change of College: A student wishing to transfer from one college of the University to another must make application to and be approved by the dean of the college he or she wishes to enter.

12. Classification of Undergraduates: A student is classified as a: **Freshman** when he or she has less than 27 semester hours of earned credit; **Sophomore** with as many as 27 semester hours but less than 54 semester hours: **Junior** with as many as 54 hours but less than 87 hours; **Senior** with 87 or more semester hours of earned credit.

13. Course Numbering: Freshman courses are numbered from 100 to 199; sophomore courses from 200 to 299; upper division courses from 300 to 499; graduate courses 500 or above. Courses taken by independent study will carry the prefix **C.** Honors courses carry the prefix **H.**

The department code number which is used at registration is listed in the Course Description Section of this **Bulletin.**

Freshman and sophomore students are not ordinarily permitted to register for upper division courses.

14. Course Sequence and Related Sequences: Certain 100- and 200-level courses may not be taken for credit by a student after he or she has completed higher level courses in the same subject area. Also, certain sequences of courses may not be taken for credit after a student has completed parallel courses which are similar in subject matter. Specific applications of this policy are indicated in the numbered course descriptions in the Course Description Section of this **Bulletin.** Selection of the courses, as well as exceptions to the policy, is left to the department chairs.

15. Credit by Examination: The University of Southern Mississippi will allow students to earn credit by examination under one or more of the following programs up to a total of thirty (30) semester hours.

Credit earned through the use of the examination will be included in the sixty-four (64) hours "Limitation of Transfer Credits" rule and may not be used to meet the thirty-two (32) hours on-campus requirement.

a. **College Level Examination Program: General Examination.** The University of Southern Mississippi will allow credit by examination to those students who have participated in the College Level Examination Program and who have achieved a scaled score of 500 or above (610 in English through April, 1986). Credit will be restricted to students who have been out of high school for at least three (3) years. It will be the responsibility of the Office of Admissions and Records to determine a person's eligibility to receive credit. A student who has earned over thirty (30) semester hours of college credit may not earn additional credit through the use of this examination. Credit appearing on another institution's transcript will be accepted for credit only if it meets the same guidelines as those required for USM students. Credit will be granted for successful completion of the examination in the following manner.

CLEP General Examination	Course Equivalent	Semester Hours
English Composition	ENG 101, 102	6
Social Science	History	3
	Social Sci. Elective	3
Natural Science	FS 104, 106	6
Humanities	AA 100	3
	Literature	3
Mathematics	MAT 101	3
	Mathematics Elective	3
Total		30

Credit will be awarded for each area in which the student receives a scale score of 500 or above.

b. **College Level Examination Program: Subject Area Examination:** A student of any age who has not earned college-level credit in the subject area in which he or she seeks credit can take a CLEP subject-area examination for advanced placement and college credit. **CLEP credit cannot be used to remove an F grade.** Credit will be awarded for a scale score of 50 or above. The optional essay is required for all English and Psychology examinations, and the free-response section is required for certain Mathematics examinations. The appropriate department at USM will have final determination in the amount of credit to be awarded based on the optional essay or free-response sections. Under this program, students are restricted to a maximum of thirty (30) semester hours, with not more than six (6) hours or two (2) courses in one subject-matter area. (It is understood that the thirty (30) hour total includes all credit earned by examination.) The adoption of the CLEP standardized examination will preclude the use of departmental examinations except in those areas where CLEP examinations are not available. The Office of Admissions and Records will be charged with responsibility for determining student's eligibility to earn credit through these examinations. Credit appearing on another institution's transcript will be accepted for credit only if it meets the same guidelines as those required for USM students.

Additional information, applications, and CLEP Bulletins may be secured from the Office of Admissions and Records, Room 110, Student Services Building, or by writing Southern Station, Box 5011, Hattiesburg, MS 39406-5011.

c. **Advanced Placement Program:** Students from cooperating high schools can earn up to eighteen (18) hours with no more than six (6) hours or two (2) courses in one subject-matter area through the College Board's Advanced Placement Testing Program. Through the 1986 AP Testing year, a score of 3 or above will yield three (3) hours credit; a grade of 5 will yield six (6) hours credit. Beginning with the 1987 AP Tests, a score of 2 or above will yield three (3) hours credit, and a score of 4 or above will yield six (6) hours credit. Departments may require higher scores. The awarding of credit will be administered by the Office of Admissions and Records.

d. **Challenge Examination:** Under the following policy, and with the approval of the Vice President for Academic Affairs, departments may grant credit by examination in lieu of class enrollment for courses where no CLEP subject area examination is offered.

i. The student must be currently enrolled or must be a former student of the University.
ii. The examination must be given by the department through which the course is offered.
iii. The student must make application to the chair of the department who should be assured that the student has had some formal or informal learning experience which has prepared the student for the examination.
iv. If approval is granted, the department chair sends a memorandum by the student to the Office of Admissions and Records giving the student permission to register for the course(s) on an arranged basis. The memorandum should include the student's name and Social Security Number, the course number(s), semester and year, semester hours of credit, and the name of the instructor.
v. The student should complete registration procedures, pay the appropriate fees in the Business Office ($10.00 per semester hour) and present the paid receipt to the department chair. (NOTE: These fees are assessed above and beyond any additional course-related fees paid for the term.)
vi. The instructor of record will receive a regular grade roster at the end of the term for recording the final grade.

16. Validation of Previously Earned Credit:

Under the following policy, and with approval of the Vice President for Academic Affairs, certain academic departments may allow a student to re-validate credit acquired through previous study in order to apply the credit to a current degree program.

a. The student must be currently enrolled or must be a former student of the University.
b. The examination must be given by the department through which the course is offered.
c. The student must make application to the chair of the department who will evaluate the previously acquired credit.
d. If approval is granted, the department chair sends a memorandum by the student to the Office of Admissions and Records giving the student permission to register for the course(s) on an arranged basis. The memorandum should include the student's name and Social Security number, the course number(s), semester and year, semester hours of credit, and the name of the instructor.
*e. The student should complete registration procedures, pay the appropriate fee(s) in the Business Office ($2.00 per semester hour) and present the paid receipt to the department chair. (NOTE: These fees are assessed above and beyond any additional course-related fees paid for the term.)

f. The instructor of record will receive a regular grade roster at the end of the term for recording the final grade.

17. Summary of Types and Limitations of Credit Usage:

The following is a summary of the limitations placed on credit usage:

a. Sixty-four (64) semester hours through a combination of credit by examination, independent study, and Armed Forces experiences.
b. Thirty-two (32) semester hours by independent study (including USAFI); nine (9) semester hours in any one field.
c. Thirty (30) semester hours credit by examination (including CLEP).
d. Eighteen (18) semester hours of pass-fail credit.
e. Twelve (12) semester hours in the same department through a combination of independent study and pass-fail.
f. Sixty-four (64) semester hours in a senior college are required for a baccalaureate degree. Of this total forty-five (45) must be in course numbers 300-level or above and thirty-two (32) must be earned at the University of Southern Mississippi.
g. The types of credit considered as senior college work are: (1) USM, Hattiesburg; (2) USM, Gulf Park; (3) USM, Jackson County; (4) USM, Jackson; (5) Independent Study; (6) USAFI*; (7) Armed Forces experiences.*
h. Types of credit not considered senior college work: (1) Junior college transfer work; (2) CLEP; (3) USAFI**; (4) Armed Forces experience.**

*If course number evaluations are 300-level or above
**If course number evaluation are below 300-level

GRADE REVIEW POLICY

The instructor (defined as one who has the responsibility for a class, special problem, or thesis) has the authority in his or her class over all matters affecting the conduct of the class, including the assignment of grades. Student performance should be evaluated according to academic criteria made available to all students within the first two weeks of each semester. Grades should not be determined in an arbitrary or capricious manner.

When a student disagrees with the final grade given by an instructor, fair play requires the opportunity for an orderly appellate procedure. The procedure assures due process for both the instructor and student. For policies and procedures governing grade review, contact the dean of the appropriate college or the Vice President for Academic Affairs.

GENERAL DEGREE REQUIREMENTS

1. Choice of Catalog: Graduation requirements must be met under a catalog which is not more than six years old at the time of the student's graduation and which carries announcements for a year during which the student earned some credit at the University of Southern Mississippi. Transfer students may graduate under a catalog which was in force during the time they attended an accredited institution of higher learning, including community/junior college, provided the catalog is not more than six years old at the time of the student's graduation.

2. Hour Requirements: An applicant for a degree must complete a minimum of 128 semester hours, including core requirements and major and minor requirements. Not more than nine (9) semester hours in physical education activity courses, and not more than four (4) semester hours credit in any one varsity sport may be used in meeting total hour requirements for a degree. Courses in dance are excluded from this limitation. Of the total of 128 semester hours, sixty-four (64) must be earned in a senior college, and forty-five (45) of the sixty-four (64) must be in courses numbered 300 or above.

3. Quality Point Requirement: A student must earn a quality point ratio of at least 2.0 (an average grade of C) based on all courses undertaken at the University of Southern Mississippi. Grades in pass-fail courses do not carry quality points.

4. Hour and Quality Point Requirements for Pre-Professional Degrees: University of Southern Mississippi students may be allowed to complete degree requirements for the Bachelor of Science or the Bachelor of Arts degree in professional, accredited schools of medicine, medical technology, dentistry, or law on the following conditions:

a. that (90) hours of credit and 180 quality points shall have been completed, with a minimum of two semesters and thirty (30) semester hours of residence at the University of Southern Mississippi;
b. that all core requirements for the degree shall have been completed;
c. that credit and quality points shall be transferred back to the University of Southern Mississippi from the accredited school of medicine, dentistry, medical technology, or law to complete requirements for the degree. A minimum of one year's work must be transferred. In any case, a minimum of 128 semester hours must be completed before the degree can be awarded;

d. that the program leading to the degree shall be completed within two calendar years of the termination of the last semester of residence at the University of Southern Mississippi.

5. Residence Hour Requirements: To become eligible for a bachelor's degree at the University of Southern Mississippi, a student must:

a. earn his or her last thirty-two (32) semester hours at the University of Southern Mississippi, of which twelve (12) semester hours must be in upper-division courses in his or her major. Military personnel participating in Operation Bootstrap may meet this requirement by completing thirty (30) semester hours of resident credit; (Special Note—to receive the Bachelor of Science in Business Administration degree from the College of Business Administration, a student must complete the senior year's work (32 semester hours) on the Hattiesburg Campus.) At least twelve (12) of the thirty-two (32) semester hours must come from senior level courses in the major field. This policy applies to all students, including transfer students from other colleges and universities and those students at USM, Gulf Park. The transfer student must meet the quality point requirements for work undertaken on the Hattiesburg Campus that apply to all the regular students;

b. earn at least twelve (12) semester hours of the bachelor's program on the campus from which the degree will be awarded except for the Bachelor of Science in Business Administration which requires the last thirty-two (32) semester hours on the Hattiesburg Campus;

c. earn at least twelve (12) semester hours of resident credit in the major field of study at one of the campuses of the University except for the Bachelor of Science in Business Administration which requires at least twelve (12) semester hours of senior level work in the major field on the Hattiesburg Campus;

d. recognize the limitation on Independent Study Courses: A long-standing regulation provides that students will not be permitted to do independent study while in residence. Students not attending the University during the summer session are not considered to be in residence and may enroll in independent study courses without prior approval; however, they should consult with their faculty adviser for assistance in course selections. Exceptions to this regulation can only be made with the approval of the appropriate dean and the Vice President for Academic Affairs. If a student takes an independent study course during the last semester of attendance, he or she may not register for an independent study course after leaving the campus with the expectation of completing requirements for his or her degree.

6. University Effectiveness. The University is sometimes called upon to provide information concerning the effectiveness of its academic programs. To collect this information, the University may require students to participate in testing programs or other activities as a requirement for graduation.

7. General Education Curriculum: The purpose of the General Education Curriculum is two-fold: to give all University students a common cultural experience, and to extend this shared experience over a wide enough range of skills and major disciplines so that the individual student may gain a better perspective of his or her own special abilities and interests.

It is the purpose of the degree programs in the upper-level colleges to build upon the common core experience in guiding students toward majors and minors which will reflect their individual capacities and life aims.

The General Education Curriculum, common to all degree programs, is itemized below.

GENERAL EDUCATION CURRICULUM

In 1983 the Academic Council of the University embarked on a major revision of the basic curriculum required of all undergraduate students. The result of these deliberations was the General Education Curriculum (Core), as adopted in March, 1985, and effective in the Fall Semester, 1985-86. The Curriculum is subject to annual review by the Academic Council.

Each of the schools and colleges within the University has modified the General Education Curriculum in a manner befitting its own discipline. The full range of courses listed here is not applicable to all majors. Accordingly, students should consult the appropriate sections of the **Bulletin** detailing the individual college curricula.

THE PURPOSE OF GENERAL EDUCATION

The baccalaureate degree programs of the University of Southern Mississippi have two major curricular components: the General Education requirement and the more specialized major requirement. The purpose of the specialized major requirement is to provide intellectual depth in the student's undergraduate education through study in his or her chosen field of specialization. The underlying purpose of the General Education requirement is to provide intellectual breadth in the student's undergraduate education through an informed acquaint-

ance with the fundamental branches of learning outside the student's field of specialization. The focus of general education is on the acquisition and integration of relevant knowledge; the development of intellectual skills of learning; and the enlargement and refinement of ideas, values, and aesthetic appreciations. A concomitant purpose is thereby served for many students by enabling them to refine and clarify their notions of which major might best suit their interests and talents.

General education serves as a necessary complement to specialized study by providing balance and allowing specialization to occur within a broader intellectual context. Together with program electives and study in depth in a major field, the General Education Curriculum provides a solid and shared base of general, liberal, and humanistic education for all students.

FORMAT AND OBJECTIVES

The General Education Curriculum comprises forty-six (46) credit hours divided among five categories. Forty (40) of these hours are designated as follows:

Category I	9 hours
II	12
III	6
IV	11
V	2

In addition students should complete at least six (6) hours of electives from Categories I, II and/or III. These six hours may come from one category or from any combination of two or more categories, but no more than three hours of electives may be from any one discipline.

The objectives of each of of the five categories are as follows:

I. Reasoning and Communications Skills: To develop the skills necessary to locate, examine, and process information critically; to read with understanding; to listen with attention and memory; to express ideas cogently and fluently in oral and written forms; to understand the ways in which written and spoken messages influence the attitudes and behavior of others; to think critically and to reason mathematically and logically; and to handle analytic and quantitative ideas in both abstract and specific contexts.

II. Humanities and Fine Arts: To understand and appreciate how man gives artistic and literary expression to his version of and experience with the world; to know the seminal ideas and events that have shaped the course of western and non-western civilizations; to recognize and treat with sympathetic historical understanding the major concerns of the contemporary world; and to develop the capacity to make discriminating moral and ethical judgements.

III. Social and Behavioral Sciences: To acquire some understanding of the perspectives, concepts, and analytical techniques of modern social societies, and cultures; to examine the social institutions in contemporary society—how they work and how they affect human behavior; to appreciate the physical, intellectual, emotional, social and moral development of mankind; to analyze interpersonal relationships and group processes; and to understand the methods by which we gain and apply knowledge of society to ourselves.

IV. Natural and Applied Sciences: To acquire knowledge and understanding of basic concepts, principles, theories, and interrelationships of the natural sciences; to understand mathematical and experimental methods of sciences as a way of thinking, inquiring and acting; to appreciate the complex interrelationship between science and its applications and human affairs; to recognize other forms of life with which we share the planet earth; and to acknowledge the fundamentally limited resources which the earth offers, both of materials for use and of receptacles for waste.

V. Human Wellness: To understand and apply conceptual knowledge of nutrition, health, and fitness in the development and maintenance of human wellness; and to understand the value of reducing the risk of physical and psychological disorders.

Honors courses may be substituted for University Core courses at the discretion of the academic dean of the student's program and the dean of the Honors College for those students who qualify to enroll in such courses.

Requests for exemptions and substitutions for the requirements of the General Education Curriculum should be addressed to the Vice President for Academic Affairs through the department chair and college dean.

SUMMARY OF THE GENERAL EDUCATION CURRICULUM

Category I: **Reasoning and Communications Skills** ..... 9-15 hrs.
- English Composition ..... 6 hrs.
- College Algebra (or higher level mathematics course) 3
- *Electives 0-6

Category II: **Humanities and Fine Arts** ..... 12-18 hrs.
- Fine Arts ..... 3 hrs.
- World Literature 3
- World Civilization 6
- *Electives 0-6

Category III: **Social and Behavioral Sciences** ..... 6-12 hrs.
- Social and Behavioral Sciences ..... 6 hrs.
- *Electives 0-6

Category IV: **Natural and Applied Sciences** ..... 11 hrs.
- Laboratory Sciences ..... 8 hrs.
- Electives 3

Category V: **Human Wellness** ..... 2 hrs.
- Food and Nutrition ..... 1 hr.
- Health and Physical Fitness 1

TOTAL: 46 hrs.

*At least six (6) hours of electives should be chosen from Categories I, II, and/or III. Though such courses may be selected from any one category or from any combination of two or more categories, there should be no more than three (3) hours of such electives from any one discipline.

COURSES APPLICABLE TO THE GENERAL EDUCATION CURRICULUM

Category I (9-15 hrs.)

English Composition (6 hrs.)
- ENG 101 Writing One
- ENG 102 Writing Two

College Algebra (or higher level mathematics courses) (3 hrs.)
- MAT 101 College Algebra
- MAT 103 Plane Trigonometry
- MAT 112 Applied Algebra for Problem Solving
- MAT 133 Trigonometry for Technology
- MAT 136 Introduction to Calculus in Technology I
- MAT 167 Calculus with Analytic Geometry I
- MAT 168 Calculus with Analytic Geometry II
- MAT 169 Calculus with Analytic Geometry III
- MAT 178 Differential and Integral Calculus with Analytic Geometry I
- MAT 179 Differential and Integral Calculus with Analytic Geometry II
- MAT 312 Applied Mathematics for Business Decision Making
- MAT 314 Applied Mathematics for Life Sciences

Category I Electives (0-6 hrs., with no more than three hours from any one discipline)

Computer Science
- CSS 100 Introduction to Computing
- CSS 240 Fortran Programming
- CSS 330 Introduction to Programming (PASCAL)

Foreign Language
- FRE 101 Beginning French I
- FRE 102 Beginning French II
- GER 101 Beginning German I
- GER 102 Beginning German II
- GRK 101 Beginning Greek I
- GRK 102 Beginning Greek II
- ITA 101 Beginning Italian I
- ITA 102 Beginning Italian II
- LAT 101 Beginning Latin I
- LAT 102 Beginning Latin II
- RUS 101 Beginning Russian I
- RUS 102 Beginning Russian II
- SPA 101 Beginning Spanish I
- SPA 102 Beginning Spanish II
- ARA 101 Beginning Arabic I
- ARA 102 Beginning Arabic II

Logic
- PHI 253 Introduction to Logic
- PHI 458 Symbolic Logic

Mathematics
- MAT 103 Plane Trigonometry
- MAT 112 Applied Algebra for Problem Solving
- MAT 133 Trigonometry for Technology
- MAT 167 Calculus with Analytic Geometry I
- MAT 168 Calculus with Analytic Geometry II
- MAT 169 Calculus with Analytic Geometry III
- MAT 178 Differential and Integral Calculus with Analytic Geometry I
- MAT 179 Differential and Integral Calculus with Analytic Geometry II
- MAT 236 Introduction to Calculus in Technology I
- MAT 312 Applied Mathematics for Business Decision Making
- MAT 314 Applied Mathematics for Life Sciences

Speech Communication
- SCM 111 Oral Communication
- SCM 305 Interpersonal Communication
- SCM 330 Small Group Communication

Category II (12-18 hrs.)

Fine Arts (3 hrs.)

Allied Arts
- AA 100 Allied Arts

Art
- ART 130 Art Appreciation

Dance
- DAN 107 Introduction to Dance

Music
- MUS 365 Enjoyment of Music

Theatre
- THE 100 Theatre Appreciation

World Literature (3 hrs.)
- ENG 203 World Masterpieces

World Civilization (6 hrs.)
- HIS 101 World Civilization I
- HIS 102 World Civilization II

Category II Electives (0-6 hrs., with no more than three hours from any one discipline)

American Studies
- AMS 304 Issues in America
- AMS 404 Issues in America

Comparative Religion
- REL 131 Comparative Religion

Foreign Language
- FRE 101 Beginning French I
- FRE 102 Beginning French II
- GER 101 Beginning German I
- GER 102 Beginning German II
- GRK 101 Beginning Greek I
- GRK 102 Beginning Greek II
- ITA 101 Beginning Italian I
- ITA 102 Beginning Italian II
- LAT 101 Beginning Latin I
- LAT 102 Beginning Latin II
- RUS 101 Beginning Russian I
- RUS 102 Beginning Russian II
- SPA 101 Beginning Spanish I
- SPA 102 Beginning Spanish II
- ARA 101 Beginning Arabic I
- ARA 102 Beginning Arabic II

History
- HIS 140 United States to 1877
- HIS 141 United States since 1877

Literature
- ENG 200 Introduction to Drama
- ENG 201 Introduction to Fiction
- ENG 202 Introduction to Poetry
- ENG 203 World Masterpieces I
- ENG 205 Introduction to Literature
- ENG 350 British Literature I
- ENG 351 British Literature II
- ENG 370 American Literature I
- ENG 371 American Literature II
- FL 305 Mythology
- HUM 310 French Literature
- HUM 320 German Literature
- HUM 333 Greek Literature and Culture
- HUM 340 The Italian Renaissance
- HUM 353 Roman Literature and Culture
- HUM 370 Spanish Literature

Philosophy
- PHI 151 Introduction to Philosophy

Category III (6-12 hrs.)

Social and Behavioral Sciences (6 hrs.)

Anthropology
- ANT 101 Introduction to Anthropology
- ANT 221 Cultural Anthropology

Economics
- ECO 200 Introduction to Economics
- ECO 255 Principles of Economics I

Geography
- GHY 101 World Regional Geography
- GHY 102 Introduction to Geography
- GHY 331 Cultural Systems in the Environment
- GHY 341 World Political Geography

Political Science
- PS 101 American Government
- PS 220 Introduction to Political Science
- PS 331 Introduction to International Politics
- PS 425 American Political Theory

Psychology
- PSY 110 General Psychology
- PSY 375 Developmental Psychology

Sociology
- SOC 101 Introduction to Sociology
- SOC 240 Social Problems
- SOC 314 The Family

Category III Electives (0-6 hrs., with no more than three hours from any one discipline)

Anthropology
- ANT 101 Introduction to Anthropology
- ANT 221 Cultural Anthropology

Economics
- ECO 200 Introduction to Economics
- ECO 255 Principles of Economics I

Geography
- GHY 102 Introduction to Geography
- GHY 103 World Regional Geography
- GHY 331 Cultural Systems in the Environment
- GHY 341 World Political Geography

Health
- HSE 101 Personal Wellness

Political Science
- PS 101 American Government
- PS 220 Introduction to Political Science
- PS 331 Introduction to International Politics
- PS 425 American Political Theory

Psychology
- PSY 110 General Psychology
- PSY 375 Developmental Psychology
- FAM 151 Personal Development and Interpersonal Relations

Sociology
- SOC 101 Introduction to Sociology
- SOC 240 Social Problems
- SOC 314 The Family

Category IV (11 hrs.)

***Laboratory Science (8 hrs.)**

AST 111/111L	General Astronomy
AST 112/112L	General Astronomy
BSC 103/103L	Biological Sciences
BSC 110/110L	Principles of Biological Sciences I
BSC 111/111L	Principles of Biological Sciences II
BSC 112/112L	Plants and People
BSC 170/170L	Heredity in Human Affairs
BSC 180/180L	Introduction to Microbiology
BSC 250/250L	Human Anatomy and Physiology I
BSC 251/251L	Human Anatomy and Physiology II
BSC 281/281L	Microorganisms in Food
CHE 101/101L	General Chemistry I
CHE 102/102L	General Chemistry II
CHE 104/104L	Chemistry, Principles and Applications
CHE 251/251L	Elementary Organic Chemistry
GLY 101/101L	Physical Geology
GLY 103/103L	Historical Geology
GLY 151/151L	Introduction to Ocean Science
PHY 101/101L	General Physics
PHY 102/102L	General Physics
PHY 103/103L	Introductory Physics
PHY 201/201L	General Physics with Calculus
PHY 202/202L	General Physics with Calculus

(Category IV: Elementary Education Majors Only)

SCE 131/131L	SCE 133/133L
SCE 132/132L	SCE 134/134L

***Category IV Electives (3 hrs.)**

Natural Science
- AST 111/111L General Astronomy
- AST 112/112L General Astronomy
- BSC 103/103L Biological Sciences
- BSC 110/110L Principles of Biological Sciences I
- BSC 111/111L Principles of Biological Sciences II
- BSC 112/112L Plants and People
- BSC 170/170L Heredity in Human Affairs
- BSC 180/180L Introduction to Microbiology
- BSC 250/250L Human Anatomy and Physiology I
- BSC 251/251L Human Anatomy and Physiology II
- BSC 281/281L Microorganisms in Foods
- CHE 101/101L General Chemistry I
- CHE 102/102L General Chemistry II
- CHE 104/104L Chemistry, Principles and Applications
- CHE 251/251L Elementary Organic Chemistry
- FS 104 Physical Science I
- FS 105 Physical Science II
- FS 106 Biological Science I
- FS 107 Biological Science II
- GLY 101/101L Physical Geology
- GLY 103/103L Historical Geology
- GLY 151/151L Introduction to Ocean Science
- PHY 101/101L General Physics
- PHY 102/102L General Physics
- PHY 103/103L Introductory Physics
- PHY 201/201L General Physics with Calculus
- PHY 202/202L General Physics with Calculus

Applied Science or Technology
- ELT 110/110L Network Analysis I
- ESC 301 Living in the Environment
- FN 362 Nutrition
- GHY 325 Applied Physical Geography
- MET 444 Solar Heating and Cooling
- PSC 191 The Polymer Industry I, II
- PSC 291 The Polymer Industry III, IV
- PSC 330 Structure of Materials

Mathematics
- MAT 103 Plane Trigonometry
- MAT 112 Applied Algebra for Technology
- MAT 133 Trigonometry for Technology
- MAT 136 Applied Calculus for Engineering Technology I
- MAT 137 Applied Calculus for Engineering Technology II
- MAT 167 Calculus with Analytic Geometry I
- MAT 168 Calculus with Analytic Geometry II
- MAT 169 Calculus with Analytic Geometry III
- MAT 178 Differential and Integral Calculus with Analytic Geometry I
- MAT 179 Differential and Integral Calculus with Analytic Geometry II
- MAT 312 Applied Mathematics for Business Decision Making
- MAT 314 Applied Mathematics for Life Sciences

*Science requirements and electives must not overlap in course content. For example, a student cannot take both BSC 103/103L and BSC 110/110L, or both CHE 101/101L and CHE 104/104L. Similarly, electives from the FS series (104, 105, 106 and 107) must not repeat the subject matter of laboratory science taken in the core.

Category V (2 hrs.)

Food and Nutrition (1 hr.)
- FN 167 Nutrition for Living

Health and Physical Fitness (1 hr.)
- PED 105 Concepts in Physical Fitness

8. Exemption from the General Core Requirements: A student may be granted a personal exemption from a University core course if he or she is able to demonstrate mastery of the course material. The latter can be achieved for any core course in one of the following three ways. The student may have taken an equivalent course through the College Entrance Examinations Board's Advanced Placement Testing Program before entering USM, or may pass an appropriate CLEP examination, or a departmental challenge examination on the relevant course material. The detailed procedures and regulations regarding these three methods of obtaining up to thirty hours credit towards a degree at USM are described in Section 15 of the General Academic Regulations of the University in this **Bulletin.**

Requests for exemptions and substitutions for the requirements of the General Education Curriculum should be addressed to the Vice President for Academic Affairs.

9. Quality Point Requirement for the Major and Minor: A student must have a quality point average of at least 2.0 (a **C**) in the major field and in the minor field on courses taken at the University of Southern Mississippi.

A transfer student's work done in the major and minor fields in another institution must average at least 2.0 to be applicable toward the major and minor requirements at the University of Southern Mississippi. If the transferred work does not average at least a **C,** the student must remove any deficiencies in that part of the major and minor credit being transferred. Transferred deficiencies may be removed by: (a) repeating at the University of Southern Mississippi a sufficient number of courses on which grades of **D** were transferred and thereby raising the grades in those courses to the level required for a **C** average, or (b) striking from the transferred transcript courses in the major or minor field with grades of **D** and taking additional courses in the major or minor at the upper division level to meet the University's degree requirements.

10. Application for Degree: A student is expected to file an application for a degree at least two (2) semesters before degree requirements are completed and an application will be accepted no later than the published deadline (see Calendar). This application filed with the Office of Admissions and Records will show the work completed by the student and the courses planned for the ensuing semesters. Filing two (2) semesters in advance of the proposed graduation date will allow time for checking the application and also allow the student time for making up deficiencies found in the degree program. After the application has been approved by the academic department, it becomes the student's official degree program.

No application for degree will be accepted until the degree fee of thirty dollars ($30.00) has been paid at the Business Office. Application forms may be obtained in the college office of the dean.

11. Degrees with Honors: Students with exceptional academic records may be awarded degrees with honors or highest honors. A degree with honors will be granted to a student who maintains a quality point average of 3.5 or more. A degree with highest honors will be granted to a student who maintains a quality point average of 3.8 or more. Graduation **cum laude** will be granted to students who meet the following stipulations: (a) the satisfactory completion of a comprehensive examination in the major field, such examination to be designed and administered by the department involved; (b) the satisfactory completion of a senior project resulting in a written report on that project meeting guidelines based on those presently in effect for senior Honors projects; (c) notice of intent to meet these requirements must be filed with the department chair/school director at least one calendar year prior to graduation; and (d) an overall quality point average of 3.25 to 3.49. Graduation **magna cum laude** will be granted to students who meet the following stipulations: (a), (b), and (c) above, and (d) an overall quality point average of 3.50-3.79. Graduation **summa cum laude** requires (a), (b), (c) and, (d) an overall quality point average of 3.80 or above.

12. Second Baccalaureate Degree: Students who have earned a baccalaureate degree may be granted by the University of Southern Mississippi a second baccalaureate degree based upon requirements of an applicable catalog, provided the program for the second degree includes at least thirty-two (32) semester hours in residence with at least sixty-four (64) quality points (equivalent to a 2.0 average on a 4.0 scale). The actual number of hours to be taken [which may exceed thirty-two (32)] as well as the specific degree requirements will be established by the academic department responsible for the area of study in which the second baccalaureate is sought. In all cases, a 2.0 grade point average is required. The thirty-two (32) semester hours must be related to a specific major separate from the first major; and the thirty-two (32) semester hours must be completed **after** the first degree requirements are met.

Students enrolled in a second degree program may be allowed to repeat a total of six (6) semester hours in order to improve the grade point average.

MINOR REQUIREMENTS

In addition to the major, each student, should his or her program so require, must also choose a minor (or else a second major). He or she should select his or her minor in consultation with his or her adviser. A minimum of eighteen (18) semester hours is needed for the minor, with the quality point requirement as noted in paragraph C-8 above. Students who complete the Advanced Course in Military Science (ROTC) or the Professional Officer Course in Aerospace Studies (AFROTC) are allowed to waive the requirement for an academic minor. The work taken in the major may not apply to the minor.

All departments wishing to offer a minor must have their proposal approved by the Academic Council. All approved minors must be structured and identified in the **Bulletin** and must contain a minimum of 18 hours, with no maximum. Departments may require up to nine (9) hours of courses and may recommend or exclude courses in their disciplines. Courses taken at another institution should be verified by the Office of Admissions and Records in consultation with the department offering the minor. Interdisciplinary minors should be structured and identified in the **Bulletin.** Minor programs leading to teacher certification must also be approved by the Certification Specialist.

With certain exceptions any of the areas of specialization or majors indicated above may be selected for the minor. In choosing a minor, however, the student should be guided by the following policies:

1. A student working for a non-teaching degree must establish a minor (18 hours) chosen from the fields listed above as possible majors with two exceptions:
   a. A student may establish a minor for the non-teaching degree in general science by offering twenty-seven (27) hours from two or more appropriate fields (biological sciences, chemistry, geology, mathematics, and physics), provided he or she offers at least eight (8) hours from each field he or she chooses to include.
   b. To establish a minor in any field, a student must earn at least nine (9) hours above the core requirements in that field.
2. A student working for a teaching degree in secondary education necessarily establishes a minor in secondary education.

Since many high schools in Mississippi require teachers to teach in more than one field, it is recommended that students working for secondary education certification plan their electives so as to meet certification requirements in some subject in addition to their major.

THE STUDENT COMMUNITY, CAMPUS LIFE, AND ACTIVITIES

DEPARTMENT OF RESIDENCE LIFE

The Department of Residence Life feels very strongly that the educational benefits for residence hall students extend far beyond the classroom experience. Every effort is made to offer on-campus students the opportunity to take part in cultural, scholastic, athletic and social programs developed by the residence hall staff. In addition, residence hall students experience cross cultural living experiences which help to promote open-mindedness, tolerance and leadership - a philosophical goal of Residence Life.

The Department of Residence Life offers fully air-conditioned residence halls which will house 3,544 students. Three of the halls incorporate dining facilities (Hillcrest for women, Elam Arms for men and Vann Hall for men on athletic scholarships). Pools are located at both Hillcrest and Elam Arms.

Rooms are arranged in suites and the more traditional fashion. Hillcrest and Mississippi for women and Elam, Vann, and Hattiesburg for men are arranged in suites with 4-6 students sharing a bath. Bolton, Hickman, Jones, Pulley, Roberts, Scott-East, and Wilber (Panhellenic) for women are arranged more traditionally with convenient baths on each floor. Likewise, Bond and Scott-West for men are traditional buildings with convenient baths located on each floor.

Application for campus housing should be made prior to or at the time of application to the University. Residence hall assignments are made based on date of application. However, the application is for accommodations in the residence halls and not for a specific roommate or a specific hall. Assignments of new students to residence halls can be made only after the $40.00 deposit with an application for housing has been received by the Department of Residence Life. Priority of assignment is given to former and presently enrolled residence hall students with active deposits on file. Assignments for these students will be made at designated times at the end of each semester for the succeeding semester.

All residence hall students are required to sign a contract which encompasses **both** fall and spring semesters of an academic year. Should a student fail to return a signed contract by the designated date, the student will automatically cancel, losing the deposit and residence hall priority.

Cancellation of the contract can be made in cases of marriage, graduation, withdrawal, co-oping, student teaching, or interning. Notification of cancellation must be made in writing at least 25 working days before the opening of the residence halls to receive a deposit refund. Cancellations received after the 25 working day deadline will result in forfeiture of the housing deposit. Students under contract who do not cancel thier housing assignment before the cancellation deadline and are enrolled at the University will be obligated to the terms and conditions of the residence hall contract.

All checks or money orders for housing deposits should be made to the University of Southern Mississippi and mailed along with the housing application to:

Department of Residence Life
Southern Station Box 5064
Hattiesburg, MS 39406

The Department of Residence Life at the University of Southern Mississippi accepts applications for housing assignments regardless of race, creed, color, or national origin. In compliance with the Civil Rights Act of 1964 and University policy, housing assignments will not be made on a segregated basis.

Family Housing

Pine Haven Apartments, consisting of two hundred and ninety- six (296) one-two-and three-bedroom unfurnished units, are available for married students, and single and married students with custody of children. Apartment priority is based on the date of application and/ or occupancy.

The rent is due and payable at registration. Students obligate themselves to the full fee for one semester's rent when they move in, unless they withdraw from the University. A deposit of $40.00 is required at the time of application and is refundable if the request is cancelled thirty (30) days prior to the date for which the application is made.

Applications and brochures may be secured at the Pine Haven Office or by writing the Department of Residence Life.

FOOD SERVICE

ALL PERSONS LIVING IN RESIDENCE HALLS AND FRATERNITY HOUSES ARE REQUIRED TO PURCHASE A MEAL TICKET FOR ONE OF THE CAFETERIAS ON CAMPUS; EITHER ELAM ARMS, THE COMMONS OR HILLCREST.

The Food Service Department serves well-planned, attractive meals which include a choice of two entrees, assorted vegetables, and self-service beverage and salad bars. All students are welcome at the Commons Cafeteria. Elam Arms and Hillcrest cafeterias are for residents only. Guests are allowed, but each guest must be accompanied by a resident.

The Snack Plan may be added to the 7-Day or the 5-Day Meal Plan. This plan is used only in the Union Coffee Shop. The Snack Plan functions like a checking account, giving the student on a regular meal plan the ability to eat a late night snack, a complete meal or purchase a soft drink using the same ID card that is used for his or her cafeteria meal plan.

Elam Arms and Hillcrest cafeterias will be open five days weekly, Monday through Friday. All week-end meals will be served at the University Commons. Students who purchase a 5-day meal plan are welcome at the Commons on weekends, but must pay cash for their meals.

The Union Coffee Shop offers a wide variety of delicious snacks, short orders, and a selection of beverages. This a' la carte food service offers a commuter meal ticket which is available to all off-campus students.

A Commuter Meal Plan is offered to off campus students. This plan operates much like a checking account. Each time a student makes a purchase the amount of that purchase is deducted from his or her balance. The Commuter Plan may be used in the Union Coffee Shop, University Commons, and the Plaza Express. This plan may be purchased at registration or in the Food Service Office.

MEAL TICKET EXEMPTIONS

Meal ticket exemptions are allowed only for those students with modified diets which cannot be prepared by the University Food Services and for those students with internships which conflict with cafeteria serving hours. Those students who may qualify for an exemption should make arrangements for an evaluation **PRIOR TO REGISTRATION.** However, those not arranging for an evaluation prior to registration should go to the Food Service Office in the University Commons after registering for classes. Those students who have not completed the requirements for a meal ticket exemption prior to registration will be charged for a meal ticket during the registration process. The University Commons is open continuously from 7:00 AM until 6:30 PM. Because of these hours, work-related exemptions will not be permitted.

Medical Exemptions

Those students with a medical problem requiring a modified diet who feel their need cannot be met by the University Food Services should make arrangements to have their diet **evaluated by the registered dietitian before registration.** Documentation required for this evaluation includes a prescription signed by a physician which specifies the student's modified diet and a copy of the modified diet. The University Commons offers a special diet program for weight watchers. This line caters to weight watchers as well as to those students with medical problems which require special diets.

Academic Related Exemptions

Requirements: A student must miss a minimum of fifty percent of meals served per week. The meals missed must be due to a student's class schedule and/or internship.

Documentation Required:

1. A statement, on letterhead stationery, signed by the student's adviser, giving the student's hours, on a daily basis, Monday through Friday.
2. A copy of the student's Advisement and Registration Appointment Form which shows the student's class schedule.

NO EXEMPTION WILL BE GRANTED IF ANY PART OF THE REQUIRED DOCUMENTATION IS NOT PRESENTED.

HEALTH AND SAFETY SERVICES

While away from home, the University Clinic serves as the family doctor offering the same range of services available at his or her office. Consultation and hospitalization services of the patient's choice are available on a referral basis. The Clinic services include physician and nursing care and laboratory, x-ray, and pharmacy service, all available at cost.

There is an excellent supplemental health insurance policy available. For information, go to Room 100, Student Services Building.

During the regular school semester the Clinic is open 8:00 AM - 7:00 PM, Monday through Friday, and 12:00 Noon - 8:00 PM weekends. Physicians' office hours are 8:00 AM - 7:00 PM, Monday through Friday, and by appointment Saturday and Sunday. Call 266-5390.

Joint Commission on Accreditation of Healthcare Organizations (JCAHO) Accredited Facility.

AUTOMOBILES ON CAMPUS

Students and employees of the University are required to register their automobiles with the Department of Public Safety. Temporary permits are issued when the automobile is to be on the campus less than fourteen days. Parking zones have been established along with other regulations. A brochure which outlines traffic and parking regulations may be secured from the Department of Public Safety. Penalities are assessed for violation of regulations and persistent violators may be denied the privilege of operating their vehicle on campus. Penalties are: violation of parking and/or decal violations $10.00 for each of the first three offenses and $20.00 for the fourth and subsequent offense; all moving violations $20.00 each.

All vehicle registrations expire August 20, except for bicycles. Registration fees are:

Automobiles/$10.00
Motorcycles/$4.00
Bicycles/$2.00 for length of enrollment.

STUDENT EXPENSES

The University of Southern Mississippi is supported chiefly by legislative appropriations. Increases in student fees are put into effect only when public support funds are inadequate and no other recourse is available. Increases are made only for support of the institution or improvement of the activity program of the students; **therefore the University must reserve the right to increase or modify fees and expenses without prior notice but with approval of the Board of Trustees of State Institutions of Higher Learning.**

Fees and expenses are in the form of general tuition, room and board, and special fees.

GENERAL TUITION. This fee, together with the allocation from the legislative appropriation, is used for general support of the University. Athletic activities and UAC programs are not included for part-time students.

Full-time students for purposes of assessing fees are those who take nine (9) or more semester hours in Graduate School and twelve (12) or more semester hours in all other schools and colleges during fall and spring semesters. During summer terms, seven (7) or more semester hours for Graduate School and nine (9) or more semester hours in all other schools and colleges constitute full-time students for purposes of assessing fees. Students enrolled for more than nineteen (19) semester hours during fall and spring semesters and for more than fourteen (14) semester hours during the summer term will be assessed the applicable fee for each additional semester hour.

Clinical and hospital services covered by the health service charge included in the general tuition fee are limited to cases of ordinary illness. Services are provided within the limits of the professional, technical, and physical resources of the Clinic. The University does not assume responsibility in cases of extended illness or for treatment of chronic diseases. Cases requiring surgery must be handled by a physician and hospital of the student's choice and at the student's expense.

ROOM AND BOARD. The room and board fees are assessed for all students living in University-controlled residence halls and those students living in fraternity houses. Board is available to all other students on an optional basis. Two meal plans are available in the Commons: seven-day, twenty-one-meal plan and a five-day, fifteen-meal plan. Lite Line is available to a student at no extra charge.

A room deposit is payable in advance for the reservation of space in the residence hall. This amount is held as a damage deposit until a student withdraws from the residence hall. Upon withdrawal, the student must make an application to the Resident Manager of the dormitory for refund. When a student reserves a room in a residence hall, he or she obligates

himself or herself to pay for both fall and spring semester's room rent unless the student cancels his or her assignment in writing before the residence halls open for the fall semester. A rent refund will be made only upon withdrawal from the University.

TELEPHONE SERVICE. Telephone service in residence halls and family student housing is provided through the University telephone system. The cost of local telephone service is included as a part of housing rent. For long distance service, students may use the University's system by completing an application at the Campus Telephone Office, Hub Building, Room 104. Long distance telephone authorization and a caller identification number will then be issued. Long distance calls are billed to the student on a monthly basis. Charges must be settled prior to leaving the University (including graduation, withdrawal, and semester breaks).

POST OFFICE BOX. The post office box fee is assessed for all students living in University-controlled housing. Fees are assessed on a semester basis for Spring, Fall, and Summer. Those students living off campus may rent a post office box if they so desire.

STUDENT ID CARDS. Effective Fall Semester, 1987, the ID card became a PERMANENT card for each student. The Fall Semester (permanent) ID card will also be used for Spring and Summer Semesters each year by revalidation. The same card must be kept, re-validated and used even when returning from a previous year or semester. Do not destroy, lose, bend or tamper with an ID card. Only one card will be issued at no charge during a five (5) year period. A fee of $10.00 will be charged at the time a replacement card is made.

OTHER FINANCIAL INFORMATION. One-half of a student's total fees are due and payable at time of registration. Students with University loans, grants, or scholarships may use those funds as payment for the first half of total fees. Loans, grants, scholarships, and checks made payable to the University must be applied to fees in full before a refund or change can be given. Fees deferred past the last day to register each term will be billed monthly. A monthly service charge of 1.5% will be applied to the unpaid balance.

The University reserves the right to withhold readmission of a student until all delinquent accounts have been paid. In fact, all past due accounts will be included on registration fee invoices and monthly bills. Transcripts of credits will not be issued for students whose accounts are delinquent. All fees must be paid before a degree will be awarded.

Fines accumulated as a result of failure to adhere to the established procedures of the University, such as Library and Public Safety regulations, or any other policy establishing regulations for the protection of University property, shall become collectable by the Business Office, and, if not collected, shall constitute a delinquent account.

Students whose checks for registration fees are returned will be assessed the late registration fee of $10.00 in addition to the $6.00 returned check handling fee. Returned checks not promptly paid may result in dismissal from the University.

A registration fee of $5.00 will be assessed all students.

A fee of $3.00 for operation of the University Union is included in the fees of all full-time students. A $1.00 fee is added to the general tuition fee assessment of part-time students.

A $2.00 per hour fee (limited to a maximum of $20.00) for use of the University Clinic by part-time students is included in the per hour fee shown below.

A special building fee of $5.00 per student will be assessed each semester for the purpose of constructing a Health, Physical Education, and Recreation Complex. The students at the University of Southern Mississippi voted on April 10, 1984, in favor of this fee.

Courses requiring special fees and music fees are shown in the Special Fee listing and are indicated by a plus sign in the Course Description Section of this **Bulletin.**

EXPENSES EACH UNIVERSITY SEMESTER/SESSION

(All fees are subject to change without notice.)

FULL-TIME STUDENTS	FALL, SPRING SEMESTERS	SUMMER SESSION
Fixed Fees		
General Tuition	$ 832.00	$ 464.00
Building Fee—Health, Physical Education, and Recreation (per student)	5.00	5.00
Registration Fee (per semester)	5.00	5.00
Room Rent:		
Hillcrest, Elam Arms, Mississippi, Hattiesburg and Vann	$585.00	
Roberts, Scott, Jones, Pulley, Bolton, Wilber, Hickman and Bond	510.00	
Board:		
5-day plan	435.00	255.00
7-day plan	490.00	305.00

Other Fees When Applicable		
Non-Resident Fee (This fee is in addition to the tuition fee above.)	591.00	
**The Southerner* (Fall only)	8.00	
**Post Office Box (per semester)	10.00	
PART-TIME STUDENTS—Each semester hour		
General Tuition—graduate student	94.00	67.00
General Tuition—undergraduate student	71.00	57.00
Building Fee—Health, Physical Education, and Recreation (per student)	5.00	5.00
General Operations Fee for Union and Intramural Activities	2.00	
Registration Fee (per semester)	5.00	5.00
Non-resident fee (In addition to General Tuition):		
Graduate student	65.00	
Undergraduate student	50.00	

*Non-refundable. Charged the first semester attended each year to all full-time undergraduate students. Optional to all other students.
**Non-refundable. Optional to students living off campus. Assessed: $10.00 Fall, $10.00 Spring, $10.00 Summer.
General tuition, room, board, and post office, if applicable, are payable each semester/session.

SPECIAL FEES AND EXPENSES

Departmental Fees:	
ACT 123, 315, 316, 324, 326, 400, 401	$10.00 per course
ADE 494, 495	7.00 per course
AST 111L, 112L	10.00 per course
BCT 205	10.00 per course
BSC 103L, 110L, 111L, 226L, 250L, 251L,	10.00 per course
CED 100 only	25.00 per course
CET 370L, 470L, 471L, 478L	10.00 per course
CHE 101L, 102L, 104L, 251L, 255L, 256L, 310L, 311L, 321L, 411L, 427L, 428L, 461L, 462L	10.00 per course
CIE 480, 482	20.00 per course
CIS 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 496	20.00 per course
CSS 100, 240, 242, 320, 330, 340, 341, 342, 350, 400, 422, 435, 441, 442, 460, 461, 462, 480, 481	10.00 per course
CSC 101L, 102L, 203L, 204L, 306L, 410L	10.00 per course
ELT 100, 110L, 111L, 210L, 211L, 230, 240, 312, 315L, 316L, 332L, 333L, 342L, 411, 412L, 470L	10.00 per course
FS 131L, 132L, 133L, 134L	10.00 per course
GLY 101L, 103L, 151L, 301L, 304L, 308L, 310L, 341L, 403L, 404L, 405L	10.00 per course
INT 302, 405, 408, 480	10.00 per course
IVE 494	20.00 per course
IVE 495	2.00 per hour
JOU 241L, 242L, 340, 346, 441L	20.00 per course
LS 405	15.00 per course
LS 416	7.50 per course
LS 489	10.00 per course
MAT 112, 210, 310, 312, 418, 419, 460, 461	10.00 per course
MET 201, 260, 322, 323L, 330L, 331, 342L, 400, 420, 444L	10.00 per course
MIS 200, 290, 301, 401, 405, 492	10.00 per course
MUP 103, 106, 113, 116, 119, 122, 125, 128, 131, 134, 137, 140, 143, 146, 149, 152, 155, 158, 163, 166, 169, 193, 303, 306, 313, 316, 319, 322, 325, 328, 331, 334, 337, 340, 343, 346, 349, 352, 355, 358, 363, 366, 369, 393	35.00 per semester hour

MTC 302L, 306L, 309L, 401, 402, 403, 405, 406, 407, 408, 409	10.00 per course
NSG 403	2.00 per course
PED 136	10.00 per course
PED 171,172, 173	50.00 per course
PHY 101L, 102L, 201L, 202L	10.00 per course
PSC 301L, 302L, 361L, 402L, 470L	10.00 per course
REC 300	65.00 per course
REC 380	40.00 per course
REF 416	7.50 per course
SCE 432, 461	10.00 per course
SCE 486	20.00 per course
SPE 481, 482, 483, 484	20.00 per course

Music Fees—Private lessons for other than full-time music majors and for music majors taking private lessons not required for the degree being pursued:

Each semester hour per instructor	35.00
*Orchestral or Band Instrument rental	10.00 per semester

Honors College

Fee for binding thesis	10.00 each copy

Reading Center, Individual Remedial Instructions:

Special Students (non-credit)	40.00 per semester
Complete Reading Diagnosis	50.00 with written report
Re-evaluation	5.00

Speech and Hearing Clinic Services: (no fees for full-time students)

Speech and Language Evaluation	40.00 each
Speech and Language Therapy (Individual)	
2 fifty-minute sessions per week	312.00 per semester
3 fifty-minute sessions per week	468.00 per semester
Speech and Language Therapy (Group)	
2 fifty-minute sessions per week	156.00 per semester
3 fifty-minute sessions per week	234.00 per semester
Language Group	25.00 per month
Audiometric-Complete except for special tests.	25.00 per hour
Hearing Aid Evaluation	25.00 per hour
Impedance Tests	25.00 per hour
Special Tests	25.00 per hour
Ear Mold Impressions	9.50 each
Lipreading/Auditory Training	12.00 per hour
ENG Testing	65.00 each

Examinations and Graduation:

Challenge Examination per examination	10.00 per semester hour
Revalidation Examination	2.00 per semester hour
Special Examination	3.00 when applicable
Graduation Fee-Bachelor	30.00 with application for degree
Certificate	2.75 when applicable

Registration and Records:

Cooperative Education Program	25.00 when applicable
Late Registration	10.00
Evaluation Fee for Foreign Students (Non-refundable)	25.00 with application
ID Replacement	10.00
Memorandum of Credits	1.00 each
Transcript of Credits	2.00 each

DIVISION OF LIFELONG LEARNING AND RESIDENT CENTERS

Off-Campus Center	
Undergraduate Course	58.00 per semester hour
Graduate Course	70.00 per semester hour
Resident Center—laboratory fee	6.00 per course
Resident Center—typing fee	5.00 per course

Extension Center	
Undergraduate Course	58.00 per semester hour
Graduate Course	70.00 per semester hour
Independent Study Courses	43.00 per semester hour
High School Independent Study Course	50.00 per half unit

Special fees are not normally refundable. However, requests for refunds of special fees will be based on circumstances existing at the times of requests.

REFUND POLICY:

(Tuition, out-of-state fees, student fees, book charges and special fees.)

A student who officially withdraws after enrollment may obtain a refund based on the following schedule:

Withdrawal prior to the first day of classes of any term ... 100% less a $25 withdrawal fee.

Commencing with the first day that day classes meet each term:

Fall and Spring Semesters.

The first through the fifth working day	100% less a $25 withdrawal fee.
The sixth through the fifteenth working day	75%
The sixteenth through the thirtieth working day	50%
After the thirtieth working day	None

Q and QQ Fall and Spring Semesters.

Prior to and including the last day to register for or add Q and QQ courses	100% less a $25 withdrawal fee.
The next five working days	75%
The next ten working days	50%
After the 50% period	None.

Fall, Winter, Spring and Summer Terms

The first through the fifth working day	100% less a 25% withdrawal fee.
The sixth through the tenth working day	75%
The eleventh through the twentieth working day	50%
After the twentieth working day	None.

Q and QQ Summer Term.

Prior to and including the last day to register for or add Q or QQ courses	100% less a $25 withdrawal fee.
The next five working days	75%
The next five working days	50%
After the 50% period	None.

Refunds are based on the assessment and not upon the amount paid by the student. The refund schedule above applies to students who drop to an hourly load below full-time or from an overload to full-time or below.

The $5 registration fee is non-refundable.

Room and board fees are refunded on the basis of full weeks remaining in the session.

Appeals for refunds due to extenuating circumstances may be made in writing to: Vice President for Business and Finance, Southern Station, Box 5005, Hattiesburg, MS 39406-5005

Students who find it necessary to withdraw from the University must submit written requests to the deans of their colleges who shall initiate the Withdrawal and Refund Form. Those students who are undecided as to their majors must begin the process in the Office of Student Orientation and Retention where the Withdrawal and Refund Authorization Form will be initiated.

RESIDENCE STATUS

LEGAL RESIDENCE OF STUDENTS: The definitions and conditions stated here are as required by state law in the classification of students as residents or nonresidents for the assessment of fees. Requests for a review of residency classification should be submitted to the University Registrar; forms for this purpose are available from the office of the University Registrar.

A MINOR: The residence of a person less than twenty-one years of age is that of the father. After the death of the father, the residence of the minor is that of the mother. If the parents are divorced, the residence of the minor is that of the parent who was granted custody by the court; or, if custody was not granted, the residence continues to be that of the father. If both parents are dead, the residence of the minor is that of the last surviving parent at the time of that parent's death, unless the minor lives with a legal guardian of his or her person duly appointed by a proper court of Mississippi, in which case his or her residence becomes that of the guardian.

AN ADULT: The residence of an adult is that place where he or she is domiciled, that is, the place where he or she actually physically resides with the intention of remaining there indefinitely or of returning there permanently when temporarily absent. Adult students who are residing outside of the State of Mississippi, but whose parents have moved to this state and have become residents, must establish residence in their own right. In determining residence for tuition purposes for persons who return to Mississippi after temporary departures such as school attendance, work elsewhere, or military service, cognizance is taken of evidence showing continuity of state residence and demonstrated intent to return to the state.

REMOVAL OF PARENTS FROM MISSISSIPPI: If the parents of a minor who is enrolled as a student in an insitution of higher learning move their legal residence from the State of Mississippi, the minor is immediately classified as a nonresident student.

TWELVE MONTHS OF RESIDENCE REQUIRED: No student may be admitted to the University as a resident of Mississippi unless his residence, as defined herein above, has been in the State of Mississippi for a continuous period of at least twelve months immediately preceding his or her admission.

A student who has lived within the state for twelve months following his or her twenty-first birthday may establish residence in his or her own right by showing that he or she is living in the state with the intention of abandoning his or her former domicile and remaining in the State of Mississippi permanently or for an indefinite length of time. Intent may be demon strated or disproved by factors including, but not limited to, filing of Mississippi income tax returns, eligibility to vote in Mississippi, motor vehicle registration in Mississippi, possession of a Mississippi operator's license, place of employment, and self support.

RESIDENCE STATUS OF A MARRIED PERSON: A married person may claim the residence of his or her spouse.

CHILDREN OF PARENTS WHO ARE EMPLOYED BY THE UNIVERSITY: Children of parents who are members of the faculty or staff of the University may be classified as residents without regard to the residence requirement of twelve months.

MILITARY PERSONNEL ASSIGNED ON ACTIVE DUTY STATION IN MISSISSIPPI: Members of the armed forces on extended active duty and stationed within the State of Mississippi, except those military personnel whose active duty assignment is for educational purposes, may be classified as residents, without regard to the residence requirement of twelve months, for the purpose of attendance at the University. Resident status of such military personnel who are not legal residents of Mississippi, as defined above under LEGAL RESIDENCE OF AN ADULT, shall terminate upon their reassignment for duty in the continental United States outside the State of Mississippi.

CHILDREN OF MILITARY PERSONNEL: Resident status of children of members of the armed forces on extended active duty shall be that of the military parent for the purpose of attending the University during the time that their military parents are stationed within the State of Mississippi and shall be continued through the time that military parents are stationed in an overseas area with last duty assignment within the State of Mississippi, excepting temporary training assignments en route from Mississippi. Resident status of minor children shall terminate upon reassignment under permanent change of station orders of their military parents for duty in the continental United States outside the State of Mississippi, excepting temporary training assignments en route from Mississippi.

CERTIFICATION OF RESIDENCE OF MILITARY PERSONNEL: A military person on active duty stationed in Mississippi who wishes to avail himself or herself or his or her dependents of the provisions of the paragraph titled MILITARY PERSONNEL ASSIGNED ON ACTIVE DUTY STATION IN MISSISSIPPI must submit a certificate from his or her military organization showing the name of the military member, the name of the dependent, if for a dependent, the name of the organization of assignment and its address (may be in the letterhead),that the military member will be on active duty stationed in Mississippi on the date of registration at the University; that the military member is not on transfer orders; and the signature of the commanding officer, the adjutant, or the personnel officer of the unit of assignment with signer's rank and title. A military certificate must be presented to the Registrar of the University each semester at (or within ten days prior to) registration for the provisions of the paragraph MILITARY PERSONNEL ASSIGNED ON ACTIVE DUTY STATION IN MISSISSIPPI, named above, to be effective.

LEGAL RESIDENCE OF A FOREIGN STUDENT: Students with permanent immigrant status or refugee status can establish residence in the state by meeting the provisions of the Mississippi Statute.

PETITIONS FOR CHANGE OF RESIDENCY: Petitions for change of residency must be made on or before the last day a student may register at the particular institution without penalty.

STUDENT FINANCIAL AID

The following information is a summary of the financial aid program. **At press time, the Federal Government was making many changes in the program.** For further information and application forms, write to:

Director of Financial Aid
University of Southern Mississippi
Southern Station, Box 5101
Hattiesburg, MS39406-5101

Steps to Take in Obtaining Financial Aid

1. Since financial aid is awarded only to students who satisfactorily complete the requirements for admission to the University, it is necessary that **new students** have the following items on file in the Office of Admissions and Records.
   a. Admissions application (Entering Freshmen and Transfers)
   b. ACT score (Entering Freshmen only)
   c. College transcript showing previous college credit (Transfer students only)
2. Submit the American College Testing Program FAMILY FINANCIAL STATEMENT. (All students including those applying for academic scholarships should complete this statement.) Forms may be obtained from a high school guidance office or upon request from the USM Financial Aid Office.
3. Complete the Application for Student Assistance to attend the University of Southern Mississippi. The application will be considered for the following types of aid:
   Pell Grants
   College Work-Study
   Supplemental Educational Opportunity Grants
   State Student Incentive Grants
   Academic Scholarships
   Stafford Loans (formerly Guaranteed Student Loan)
   Perkins Loans (formerly National Direct Student Loan)

APPLICATION DEADLINES

New students, currently enrolled students, graduate students, and transfers must submit the application and the ACT financial statement after **January 1.** To receive full consideration, all required information must be received by **March 15.** Late applications will be accepted and considered if funds permit.

TYPE OF FINANCIAL AID PROGRAMS AVAILABLE

The Financial Aid Office has the responsibility of administering major areas of financial assistance. These areas will be listed in three categories — loans, grants and scholarships, and student employment. Space will not permit description of each program in detail. Further information may be obtained by contacting the Financial Aid Office.

A. LOANS

1. Perkins Loan Program (formerly NDSL)

The Perkins Loan Program is for students who are enrolled fulltime in a participating post-secondary institution and who need a loan to meet their educational expenses.

Students may borrow up to a total of: (a) $4,500 if they have completed less than two years of a program leading to a bachelor's degree; (b) $9,000 if, as undergraduate students, they have already completed two years of study toward a bachelor's degree (This total includes any amount borrowed under Perkins for the first two years of study.); (c) $18,000 for graduate study (This total includes any amount borrowed under Perkins for undergraduate study).

Repayment begins six months after graduation or leaving school for other reasons. Students may be allowed up to ten (10) years to pay back the loan. During the repayment period five (5) percent interest is charged on unpaid balance of the loan principal.

No payments are required for up to three years while serving in the Armed Forces, Peace Corps, or VISTA.

There are loan cancellation provisions for borrowers who go into certain fields of teaching or specified military duty.

2. Chester P. Freeman Loan Fund

Established in 1981, this fund assists needy students to meet their tuition, fees, and book costs to attend USM. Priority for the loan will be given to second, third, and

fourth year students enrolled in the School of Nursing. The loan is repayable beginning one year after graduation or leaving the University. The interest rate during repayment is three (3) percent simple interest.

3. **Stafford Loan** (formerly GSL)

The Stafford Loan Program enables qualified students to borrow directly from lenders in order to finance educational expenses. While the bulk of these loans are made by commercial lenders, some states and educational institutions also are lenders. The loans, insured by the Federal Government or guaranteed by a state or private nonprofit guarantee agency, are now restricted to families with demonstrated financial need.

Students must be enrolled, in good standing, and making satisfactory progress or have been accepted for enrollment at least halftime in an eligible college, university, or professional school, or an eligible vocational, technical, trade, business, or home study school.

The maximum a student may borrow as an undergraduate is $4,000 per academic year. Graduate and professional students may borrow up to $7,500 per academic year. The total that may be borrowed for undergraduate or vocational study is $18,000. The total for graduate and professional students is $54,000, including any amount borrowed for undergraduate study.

Graduate students enrolled in schools of medicine, osteopathy, dentistry, veterinary medicine, optometry, podiatry, and public health may borrow up to $10,000 and pharmacy students up to $7,500. Total loans still may not exceed $54,000.

The interest rate is eight (8) percent, and the Federal Government will pay the interest until repayment of the loan begins.

The Loan Must Be Repaid. The loans may be cancelled only in the event of total permanent disability or death of the student borrower, but there are no other means of loan cancellation. Payments normally begin six (6) months after graduation or when the borrower ceases to be at least a half-time student, and students may be allowed to take up to ten (10) years to repay the loan. In most cases students must pay at least $600 a year unless circumstances as agreed upon with the lending institution warrant a lesser amount. The student may defer repayment for up to three years while serving in the Armed Forces, Peace Corps, or as a full-time volunteer under the Domestic Volunteer Service Act of 1973 and for up to one year while actively seeking but not finding full-time employment. Repayment may also be deferred if the student borrower returns to school full time at an eligible institution or is pursuing a course of study in certain approved graduate study.

B. GRANTS

1. **Pell Grants.**

The Pell Grant Program makes funds available to eligible students attending approved colleges, community/junior colleges, vocational schools, technical institutes, hospital schools of nursing, and other post-high school institutions.

Students may apply for a Pell Grant if they are undergraduate students enrolled on at least a half-time basis in an eligible program.

Students can apply for a Pell Grant by completing one of several different forms. The USM Financial Aid Office uses the American College Testing Program to determine eligibility. The forms are available at high schools and post-high school institutions. Within six (6) weeks of submitting the form, the student will be notified as to whether or not he or she is eligible.

He or she then submits the Notification to the school which will calculate the amount of the Pell Grant he or she is eligible to receive. The amount of the award is based on the determination of eligibility and the cost of attendance at the school. The grants range from $200 to $2100.

2. **Supplemental Educational Opportunity Grants** (SEOG)

The Supplemental Educational Opportunity Grant Program is for students of exceptional financial need who, without the grant, would be unable to continue their education.

Students must be enrolled full-time as undergraduate or vocational students in an educational institution participating in the program. Graduate students are not eligible.

An SEOG cannot be less than $200 or more than $2,000 a year.

3. **State Student Incentive Grant** (SSIG)

The State of Mississippi through a matching grant program with the Federal Government and the University of Southern Mississippi provides grants to full-time undergraduate students who are residents of the State of Mississippi. Recipients must demonstrate substantial financial need and show academic promise. Grants may range

from $200 to $1,500 per academic year. Selection of recipients is made by the Financial Aid Office. Students must complete the ACT Financial Statement and the USM Financial Aid Application to be considered for this grant.

4. **University Scholarships** (These scholarships are subject to change without notice.) The following awards are available to entering students and continuation is subject to satisfactory progress.
   a. **Presidential Scholarships:** Presidential Scholars are selected by the President of the University of Southern Mississippi. A select number of students will be invited to compete for these awards. (Scholarship recipients must enroll in the Honors College). National Merit Finalists indicating USM as their college choice and those students with ACT scores of at least 30 will be considered. The value of the award is equal to tuition, room, board and book allowance for a four year period.
   b. **Honors Scholars:** Fifty (50) Honors Scholars shall be named each year. Applicants for this award should have minimum ACT scores of 27, a high school grade point average of 3.0 or above and have demonstrated leadership ability. The application shall be postmarked no later than **March 15,** but early applications are encouaged. Honors scholarships are in the amount of $200 per semester for up to $1,600 for students completing both General and Senior Honors. Recipients shall enter the Honors College. Applications may be obtained by writing Honors College, Southern Station, Box 5162, Hattiesburg, MS 39406-5162.
   c. **Valedictorian/STAR Student Scholarships:** Valedictorians or STAR students from a public or private school may be awarded $300. The recipient must be designated as the valedictorian or STAR student of the graduating class and must enroll at USM during the fall semester immediately following his or her high school graduation. The scholarship will be paid fall semester of the freshman year only. Applications may be obtained by writing the Director of Recruitment and Orientation, Box 5166, Southern Station, Hattiesburg, MS 39406-5166.
   d. **Academic Excellence Awards:** First time entering freshmen who are National Merit Finalists or Semi-Finalists or who have an ACT composite score of 30 or above and a high school GPA of 90 or above are eligible for an $8,000 award payable at the rate of $2,000 per year. First time entering freshmen who are National Achievement Finalists or Semi-Finalists or who have an ACT composite score of 28-29 and a high school GPA of 90 or above are eligible for a $5,000 award, payable at the rate of $1,250 per year. Students with an ACT composite score of 27 and a high school grade point average of 90 or above are eligible for a $4,000 award payable at the rate of $1,000 per year. A student is eligible to receive this scholarship during only the fall and spring semesters for four consecutive years. Out of state tuition will also be waived. He or she must be a full-time student (twelve credit hours) and maintain a GPA of 3.0 to continue receiving the award.
   e. **Afro-American/Black Student:** First time entering black freshmen who have an ACT composite score of 24, 25, or 26 and a high school grade point average of 90 or above are eligible for a one time award of $2,000, payable at the rate of $1,000 per semester.
   f. **USM Sponsored Merit Awards:** The University will recommend that National Merit Finalists indicating USM as their college choice be awarded these scholarships. Merit Awards are equivalent to $2,000 over a four year period.
   g. **Leadership Scholarships:** Recipients are selected based on achievements both in and outside the classroom. Awards may vary from $500 to $2,000 as one time awards and are available to entering freshmen.
   h. **Community/Junior College Scholar Awards:** Mississippi Community/Junior College students nominated by their respective institutions will be invited to compete for four (4) $3,400 awards.
   i. **Community/Junior College Presidential Award:** Scholarships of $1,000 are awarded at the discretion of the Community/Junior College President (within Mississippi).
   j. **Community/Junior College Transfer Achievement Awards:** Community/junior college transfer students who have a 3.75 GPA or above on at least 54 semester hours of community/junior college work are eligible for a $1,600 award, payable at the rate of $800 per year. Community/junior college transfer students with a GPA of 3.5 to 3.74 on at least 54 semester hours of community/junior college work are eligible to receive an $800 award, payable at the rate of $400 per year.

   Information concerning these scholarships and scholarship applications may be obtained from the Office of Recruitment, Southern Station Box 5166, Hattiesburg, MS 39406.

5. **Upperclass General Academic Scholarships:** Scholarships are available each year to upperclass students based upon general academic achievement, leadership, major field of study, financial need, and other stipulations which may be imposed by the donor. Applications must be made each academic year for these scholarships. The value of these awards ranges from $100 to $1,400 per academic year. Applications may be obtained by writing the Director of Financial Aid, Southern Station, Box 5101, Hattiesburg, MS 39406-5101.
6. **Phi Theta Kappa Scholarships:** Members of Phi Theta Kappa with 54 junior college hours may be awarded a $300 scholarship. This scholarship may be in addition to the Junior College Achievement Award. The recipient will receive the entire scholarship the first fall semester at USM. Applications may be obtained by writing the Director of Recruitment and Orientation, Southern Station, Box 5166, Hattiesburg, MS 39406-5166.
7. **Alumni Scholarships:** Scholarships representing payment of non-resident fees only may be available to non-residents of the State of Mississippi. Award is contingent on a parent being an active contributing alumni member and the student's achieving an ACT Composite score of at least 20. Continuation is subject to the student maintaining at least a current GPA of 2.5 or better. Apply to: Director of Financial Aid, Box 5101, Southern Station, Hattiesburg, MS 39406-5101.
8. **Regional Scholarships:** A limited number of awards are available to non-residents of the State of Mississippi. This scholarship represents a waiver of non-resident fees only. These awards are based upon ACT scores. Applications may be obtained by writing; Director of Financial Aid, Southern Station, Box 5101, Hattiesburg, MS 39406-5101. **March 15th** is the priority date for applications.
9. **Service Scholarships:** These scholarships are available in athletics, band, music, etc. Service scholarships are based upon skill and performance in such endeavors as music and athletic ability. Applications can be obtained by writing: Band and Music Scholarships, Dean, College of Fine Arts, Southern Station, Box 5031, 39406-5031; for Athletic scholarships write Athletic Director, Southern Station, Box 5017, Hattiesburg, MS 39406-5017.

C. STUDENT EMPLOYMENT

1. **College Work-Study Program**
   The College Work-Study Program is authorized under Title IV of the Higher Education Act of 1965. The primary purpose of the College Work-Study program is to stimulate and promote part-time employment for students. The program is designed for those students who are in need of earnings to pursue their course of study at USM. Primary consideration is given to students with the greatest financial need.
2. **Student Employment On Campus**
   The University employs students who are not eligible to receive the federal financial aid programs. Applications are accepted year-round and are considered as student employment vacancies occur. Student workers may quailify for a higher rate of pay by completing a Family Financial Statement with the USM Financial Aid Office. Contact the Student Employment Office, McLemore Hall, for applications and additional information.
3. **Student Employment Off Campus**
   Employment positions are available to many students in Hattiesburg and the surrounding community. The Office of Student Employment collects applications for work off campus. Referrals are made as requests are received from off-campus agencies.

FINANCIAL AID POLICIES

1. In determining need, the Financial Aid Office will use the financial need analysis systems of the American College Testing Program. The applicant's need for financial as sistance must be established by filing the appropriate applications for financial assistance. Students must also complete the financial statement in order to be considered when applying for need-based awards.

2. Financial aid is awarded on an academic year basis (September to August). Applicants must file an application and a financial statement each academic year to continue any type of financial assistance.

3. In awarding financial aid funds, primary consideration is given to an applicant's demonstrated financial need. Consideration is also given to evidence of an applicant's potential to achieve or maintain normal academic progress at USM.

4. Any financial aid commitment involving the use of federal funds is tentative and conditional upon subsequent Congressional appropriation and actual receipt of the funds by the University of Southern Mississippi.

5. The Financial Aid Office reserves the right on behalf of the University to review and cancel an award at any time because of changes in the student's financial or academic status,

changes of curriculum, the student's failure to register for the draft, or the student's involvement in student unrest as defined by Public Laws 91-204, 91-557, 90-575, Sections 407, 411, and 504 (a).

6. During the award year an applicant who is placed on academic probation may retain his or her financial aid award (except selected scholarship aid) as long as he or she is not academically dismissed or fails to pass at least 6 academic hours each term. If a student is suspended from the University for academic reasons, he or she is ineligible to receive aid the first term he or she returns.

7. The applicant's personal and leadership qualities will be evaluated. A student dismissed from the University for disciplinary reasons shall have his or her financial aid terminated immediately and for an indefinite period. The student may appeal to the Financial Aid Committee to reinstate his or her financial aid after the first term he or she returns to the University.

8. In awarding financial aid, priority will be given to applicants who apply before the **March 15th** priority date.

9. Priority will be given all student applicants for financial aid accepted for admission or enrolled as full-time students (minimum of twelve (12) semester hours for undergraduates and nine (9) semester hours for graduate students). If a student drops below the minimum number of hours to be classified as a full-time student, he or she is required to report any change to the Financial Aid Office. The Financial Aid Office may require that he or she repay a portion of the aid he or she has received for that term. Failure to do so could result in the cancellation of his or her financial aid program.

10. Several scholarship programs require the applicant to maintain a specified grade point average. The scholarship recipient will be notified of the approved grade point average that must be maintained at the time the award is made.

11. Students who withdraw during a semester must notify the Financial Aid Office. Students who withdraw before completing a semester may be expected to repay the entire award at the time of withdrawal or their aid for succeeding terms may be cancelled. If the student is entitled to a refund, the refund shall first be credited to the student aid account from which the student received assistance.

12. The Perkins Loan and the Freeman Loan Programs require repayment; therefore, each student borrower must schedule a terminal interview with the University Manager of Business Services prior to withdrawal or graduation.

13. Normally the financial aid award will be disbursed in equal payments at the time of registration. The applicant receiving an employment award will receive wages bi-weekly.

14. The University reserves the right to release to the United States Office of Education, state agencies, scholarship donors, and University scholarship selection committees any information requested pertinent to the USM financial aid application, i.e., enrollment status, address, grade point average, and financial need.

15. The University reserves the right to release all public announcements concerning scholarship winners; however, the amount of the stipend will be kept confidential.

FINANCIAL AID GUIDELINES FOR MARRIED STUDENTS

As the number of married students attending the University increases, it is necessary for the University to provide facts about educational and living costs and to suggest methods of meeting these costs. The financial situation of married students is completely different from that of a single student. Their expenses are obviously higher, but they may also have more substantial resources; therefore, they need to have a different approach in meeting their educational and living expenses while attending the University of Southern Mississippi.

One of the most practical and popular ways of financing marriage and education is to have one spouse attend school while the other works full time. In this way, the employed spouse can meet the bulk of the married student's living costs as shown in the University of Southern Mississippi Student Budgets. As a general rule the University cannot totally support both husband and wife as students.

A student applicant should recognize that marriage does not, in and of itself, classify him as an independent student. Students married less than 18 months may be considered as dependent upon their parents. If parents have been providing financial support, the student's marriage should not significantly affect the parents' **ability** to assist the student. Therefore, in cases where the student does not meet all the requirements for independency, parents of the student will be required to submit income and asset information on the ACT Family Financial Statement in addition to the income information of the student and spouse.

FINANCIAL AID RETENTION POLICIES

1. The Financial Aid Office strictly adheres to the academic standards as presently established by the University and outlined in this **Bulletin.**

2. Students who do not achieve the prescribed academic standards and are academically suspended shall be ineligible to receive aid the first semester that they are permitted to return to school. If, after that first semester, they show academic improvement, they may reapply to the Financial Aid Office to have their financial aid reinstated.
3. Students who fail all of their courses in any semester and are academically suspended from the University shall be ineligible to receive financial aid the first semester that they are permitted to re-enroll. If, after that first semester, their grades show improvement, they may reapply to the Financial Aid Office to have their aid re-instated.
4. Students who enroll and receive financial assistance as full-time students shall be required to maintain their full-time status.
5. Undergraduate students who receive financial assistance shall be required to pass at least six academic hours each term as a condition to receive financial aid for the following term.
6. Students who enroll and receive financial assistance as a full-time student but then drop below full-time status may be required to repay to the student aid account from which they received aid, a pro rata share of assistance received or their aid for the succeeding term will be cancelled.
7. Students who withdraw from all their classes during a semester in which they received financial assistance may be expected to repay the total amount of aid received, excluding college work-study earnings, or future aid at USM would be terminated for the next term of enrollment.
8. Students must complete their program of study within a reasonable time frame. Assuming the student has met all other eligibility criteria (i.e., GPA and hours passed per term), an undergraduate student shall be deemed "in good standing" and be eligible to receive financial aid until he or she has attempted 170 hours. At that point he or she must return to USM as a graduate student in order to receive financial aid. Exceptions may be made for those programs of study requiring more than 128 hours to graduate and students seeking a second undergraduate degree.
9. Co-op students are ineligible to receive any federal aid during the terms they co-op unless they are enrolled for credit hours and meet enrollment requirements as outlined earlier.

STAFFORD LOAN DISBURSEMENT POLICIES

In an attempt to assure the United States Federal Government and other guaranteeing agencies, the U.S. Commissioner of Education, lending agencies, the University of Southern Mississippi and student borrowers that Stafford Loan proceeds are utilized for the purpose intended, checks representing the proceeds of these loans and naming the University of Southern Mississippi as a "joint endorser" shall be handled in the following manner:

A. Stafford Loan Program

1. Upon endorsement by the student payee and the University of Southern Mississippi, the funds will be deposited in the "student depository" and disbursed to the student by the University Business Office in equal amounts proportionate to the loan period represented by the check.
2. Of the funds for one semester or term, loan proceeds will first be applied to the student's fees payable to the University, including tuition, room and board, Pine Haven rent, and any and all other current fees and/or past due fees. When the loan proceeds for a current term exceed current and past due fees, the balance shall be paid directly to the student.

B. State Agencies and Other Guarantee Agencies

Upon endorsement by the student payee and the University of Southern Mississippi, the University shall first deduct any and all current and past due fees. Next, and at the time the check is transacted, the student shall be required to deposit with the University an amount which will pay the student's educational expenses for and during the remaining loan period represented by the check. Educational expenses for the remaining period will be considered to be under the same circumstances as at the time the check is transacted. When the loan proceeds exceed these educational costs, the balance shall be paid directly to the student.

Any funds remaining on deposit due to the student's withdrawal from the University or failure to reenroll during the loan period, or funds reimbursable due to the student's withdrawal during a term, will be returned to the lender from which the student loan was obtained.

ROTC SCHOLARSHIP PROGRAM

See the Military Science and Aerospace Studies sections of this **Bulletin** for information on two-year, three-year, and four-year ROTC scholarships.

MARINE OFFICER PROGRAMS

Qualified students may apply for an officer program leading to a commission as a Second Lieutenant in the United States Marine Corps. Commissions are offered in both ground and aviation components. The Platoon Leaders Course (PLC) is offered to freshmen, sophomores, and juniors who attend precommissioning training during the summer. Financial assistance and Flight Indoctrination Programs are available. Qualified seniors attend twelve weeks of training in the Officer Candidate Course (OCC) after graduation. For details, contact the Placement Officer or the Marine Officer Selection Officer when he is on campus.

UNIVERSITY OF SOUTHERN MISSISSIPPI FOUNDATION

The University of Southern Mississippi Foundation is a non-profit organization that functions as the depository and fiduciary of private gifts to the University of Southern Mississippi. The University of Southern Mississippi Development Office is charged with the responsibility of raising necessary funds to support the academic programs. Additionally the Development Office is responsible for the administration of the Foundation. Overall guidance and policies for the Foundation are determined by a Board of Directors composed of alumni and friends of the University.

Programs designed to raise funds for the academic programs include:

Annual Fund
Honor Giving Clubs
Deferred Gifts
Corporate and Foundation Support

These programs encourage support, in the form of private donations, for the academic programs.

The primary role of the Foundation is to support the University in its role of teaching, research and service. This assistance takes many forms including scholarships, library support, professorships, faculty chairs, equipment, etc.

Scholarships receive the largest share of annual expenditures. They are awarded according to the guidelines agreed upon by both the donor and the Foundation. While the Foundation receives and manages the funds, the awarding of scholarships is made by the University Scholarship Committee in cooperation with the Financial Aid Office.

SCHOLARSHIPS PROVIDED BY THE FOUNDATION

UNIVERSITY OF SOUTHERN MISSISSIPPI

ACCOUNTING EXCELLENCE FUND: Scholarship to recognize achievement by accounting majors and other activities for the benefit of the School of Professional Accountancy.

ALUMNI: Special scholarships for chapters and others undesignated.

AMERICAN LEGION AUXILIARY: Allen B. Carter, Post 24—Capable and deserving student upon recommendation.

AMERICAN LEGION POST 139, CLEMENT R. BONTEMPS, RICHARD H. THAMES MEMORIAL SCHOLARSHIP: Award to a worthy undergraduate student, must maintain a "C" or better average, children of members of this Post, who reside in Hancock County will be given preference.

AMERICAN TUNG GROWERS LOAN FUND: Provides rotating loans for junior, senior, and graduate students majoring in Polymer Science.

KATHERINE KYZAR ALFORD NURSING SCHOLARSHIP: Award to a deserving senior level nursing student with preference given to those from Walthall County.

MARK C. APPLEWHITE MEMORIAL SCHOLARSHIP: Award to a capable and deserving native Mississippian majoring in nursing. Preference will be given to students interested in emergency nursing.

ASSOCIATED GENERAL CONTRACTORS OF MISSISSIPPI, INC.: Provide scholarships for the building construction technology program in the College of Science and Technology.

OLIVER V. AUSTIN: Award to deserving undergraduate science major.

ERNEST LEE BACKSTROM MEMORIAL SCHOLARSHIP: Award to capable and deserving student with financial need.

NANCY BAKER: Award to graduate student in Social Work upon recommendation of that area.

BANK OF MISSISSIPPI: Awarded by University Scholarship Committee. These should be presented in the best interest of the University with preference given to surrounding area students. Economic need should be a factor.

J. W. BATESON COMPANY, INC.: Student in Construction and Architectural Engineering Technology program upon recommendation of that area.

CARRIE NORTON HERRING BENNETT: Fellowship awarded upon recommendation of graduate faculty in Home Economics. Recipient must repay at least 50% within two years of graduation or last attendance.

R. G. BIGELOW: Junior, senior or graduate planning to teach.

BILOXI-OCEAN SPRINGS ALUMNI CHAPTER: Capable and deserving student from that area.

JUDGE R. J. BISHOP MEMORIAL MISSISSIPPIAN AWARD: A select committee will choose a graduating student who has worked and overcome challenges and hardships to secure an education.

S. H. BLAIR: Graduate of Hattiesburg public schools who needs financial assistance, enrolled in the area of school administration or physical education, showing a preference to enter the coaching field; shall not be awarded to a scholarship athlete.

ANNELLE BONNER: Scholarship awarded to junior or senior majoring in business teacher education. Must meet academic and citizenship requirements.

B P O ELKS NO. 599: Capable and deserving student from Forrest, Jones, Perry, Lamar, Covington or Marion County.

W. AGNEW BRADLEY SCHOLARSHIP: Capable and deserving students from Wayne County in Mississippi or Choctaw and Washington counties in Alabama.

ALFRED AND DORIS BREELAND: Award to junior or senior students in the College of Business Administration with preference given to accounting majors.

KATHERINE BROWN: Active military personnel or dependents of former bootstrappers, dependents of military personnel, other eligibles.

BUSINESS ADMINISTRATION: Student in the College of Business Administration upon recommendation of that area.

FRANK A. CAIN MEMORIAL: Capable and deserving student who has participated in student government.

PEARL CAMPBELL: Needy and deserving first year undergraduate student who plans to major in the field of Home Economics.

BEN C. CARMICHAEL: Award to capable and deserving student in the College of The Arts.

JAMES A. and PATSY CAUSEY: Student in field of gerontology, with preference to graduate students.

BOBBY CHAIN: Award to native Mississippian, minimum ACT 18, technology, demonstrated financial need, maintain GPA of 2.5.

CHEMISTRY: Recommendation of that Department.

CHEVRON USA, INC.: Junior or senior majoring in journalism with certain economic courses. Recommendation of Journalism Department.

CITIZENS BANK OF COLUMBIA: Marion County student.

RICHARD H. CLARK, JR.: Student in Business Administration.

W. M. COLMER: Recommendations will be made by the American Studies Committee, Chair of the Department of Political Science, Dean of College of Liberal Arts. Students in the American Studies area who demonstrate the ideals which Mr. Colmer held in love, loyalty, patriotism to his country.

COMMERCIAL NATIONAL BANK AND TRUST, LAUREL: Capable and deserving Jones County student.

COMPUTER SCIENCE: Student in that area. Recommendation of that Department.

BETTY DUKES CRAFT: Outstanding junior majoring in Home Economics. Committee composed of Home Economics faculty, students, and alumni will recommend students.

CRIMINAL JUSTICE: Recommendation of that department.

JERRY N. DANIEL: Capable and deserving student in electronic engineering upon recommendation of the faculty in that area.

HORACE B. DICKERSON: Graduate student seeking a degree in guidance and counseling or a related field. Funds to be repaid at 6% interest after leaving school.

ETOILE DUBARD: Senior or graduate student in Speech and Hearing Sciences upon recommendation of the School for Children with Language Disorders and approved by the Director.

DOW CHEMICAL: Chemistry, plastics technology.

EXXON ACCOUNTING SCHOLARSHIP: Award annually by the Kenamond Scholarship Committee to the accounting major selected by the committee. Selection criteria to be chosen annually by the Committee.

WILEY FAIRCHILD: Student in financial need, preferably a construction major.

KATHRYN WILLIAMS FARMER: Capable and deserving student who needs financial assistance.

HELEN FIKE MEMORIAL SCHOLARSHIP: Tuition scholarship to students in Speech and Hearing Sciences.

FINE ARTS ENDOWED: Awarded by the College of The Arts.

FIRST BAPTIST CHURCH FOUNDATION, Hattiesburg: Recommendation of the Board of Directors of Foundation.

FIRST FEDERAL SAVINGS AND LOAN ASSOCIATION OF COLUMBIA, HONORING MARVIN POLK: Capable and deserving Marion County student who has financial need, 15 up on ACT and a 2.0 in high school, may renew by maintaining a 2.5 GPA.

FIRST FEDERAL SAVINGS AND LOAN, PASCAGOULA-MOSS POINT: Jackson County student.

FIRST GUARANTY SAVINGS AND LOAN: Junior or senior majoring in accounting, marketing, finance or real estate. Resident of Forrest, Harrison, Pike, Covington, Pearl River, Jeff Davis or Lamar County.

HUGIE LEE FOOTE: Worthy student in foreign language upon recommendation of that area.

L. Y. FOOTE: Economic need a definite factor, best interest of the University with preference given to students in the surrounding area of Hattiesburg.

FORREST COUNTY ALUMNI CHAPTER: Capable and deserving Forrest County student.

FOXWORTH BANK: Capable and deserving student from Marion County.

BERTHA M. FRITZSCHE: Outstanding graduate student in Home Economics upon the recommendation of the graduate faculty in that area.

KAREN PRESTON GARNER: Awards will be made annually to females, junior or senior, majoring in biology, GPA of 3.0, of sound moral character, resident of Mississippi, involved in school activities. Special consideration will be given to students having musical talent.

GEOLOGY: Recommendation from that Department.

GEOLOGY ALUMNI ENDOWED: Provide scholarships to attract quality students, both on graduate and undergraduate level.

GEORGE COUNTY ALUMNI CHAPTER: Capable and deserving students from that area.

DON GEORGE SCHOLARSHIP FUND IN SPEECH COMMUNICATION: Graduate or undergraduate student in speech communication upon recommendation of the chair of the department.

GOLDEN EAGLE: Scholarship assistance to be given to students who care for Nugget.

AUSTIN EDWARD AND MAUDE M. GORDON: Capable and deserving students in nursing.

ATLEY GRAHAM MEMORIAL SCHOLARSHIP: Capable and deserving student enrolled in the College of Business Administration with an emphasis in economics. Student must have completed a minimum of 60 hours and is to be selected by a committee from the College of Business Administration.

REED GREEN: Administration and Coaching major, recommendation from that area.

OLETA TAYLOR GREEN: Capable and deserving student, junior or senior in School of Nursing.

KYLE GREER MEMORIAL: Students who are selected to assist with the football program on a nonscholarship basis and plan to coach. Upon recommendation of the coaching staff with preference to Simpson County students.

GULF NATIONAL BANK: Hancock or Harrison County student with B average in high school, financial need, majoring in banking or business administration.

GULF POWER FOUNDATION: Scholarship for a deserving Northwest Florida student.

KATHERINE L. GUICE: Capable and deserving student in the School of Social Work.

LESTER HADDOX: Award to a capable and deserving student from Marion County.

DR. SARA AND CLIFFORD HAGENSON: Student in Early Childhood Education upon the recommendation of that Department.

ALTRA HOWSE HAMMAN: Full-time graduate student majoring in Family Life or Child Development, who has completed one semester of graduate work with a GPA of 3.75 with no grades below a "B", high moral character, and native of the United States.

HANCOCK BANK: Junior or senior residing in Hancock or Harrison County, majoring in Business Administration.

ELIZABETH C. HARKINS: Capable and deserving student in nursing with financial need.

W. B. HARLAN: Award to a young man of character and intelligence in need of a scholarship and majoring in business administration.

HATTIE LOTT HARDY: Native Mississippian, preferably from Hattiesburg, for scholastic excellence.

HARRISON COUNTY ALUMNI CHAPTER: Capable and deserving Harrison County student.

GILBERT HARTWIG: Capable and deserving theatre student.

HATTIESBURG BOARD OF REALTORS: Real estate majors with preference to residents of Forrest, Marion, Covington, Perry or Stone County.

HATTIESBURG PHYSICIANS: Students in nursing and medical technology on an even basis, with preference to those in the Hattiesburg area.

HATTIESBURG ROTARY CLUB, GROVER ANDERSON: Capable and deserving Forrest or Lamar County student. Preference given to children or grandchildren of members of this club, provide tuition cost, must maintain GPA of 2.5.

HERCULES INCORPORATED: Financially needy students in the College of Science and Technology beyond the sophomore year with the advice of the Dean. At least one to be awarded to a member of a minority race.

FERN R. HESSON: Worthy undergraduate student in the field of food services.

J. D. HERRING: Capable and deserving Walthall County student with good academic record upon recommendation of Walthall County Alumni Chapter.

ALMA HICKMAN: Capable and needy student.

SONDRA HOLMAN: Capable and deserving student with financial need.

HAL R. HOPKINS: Capable and deserving student from Kemper or Lauderdale County with financial need.

HOTEL AND RESTAURANT ADVISORY BOARD: Students in area upon recommendation of that area.

INSTITUTION ADMINISTRATION: Recommendation from that area.

JACKSON COUNTY ALUMNI CHAPTER: Capable and deserving student from that area.

JACKSON RAPID DELIVERY SERVICE: Capable and deserving student from Jackson, majoring in accounting.

JOURNALISM: Capable and deserving student in the area of Journalism.

MAURICE H. JOSEPH REAL ESTATE: Student in real estate upon recommendation of that area.

JUNIOR PANHELLENIC: Capable and deserving girls upon the recommendation of the Panhellenic Council.

FRED D. KENAMOND ACCOUNTING: Student majoring in accounting upon recommendation of committee.

MR. and MRS. L. C. KIRKLAND: Capable and deserving student in need of financial assistance.

SELMA KRELL: Students in Department of Theatre and Dance.

ETHEL WHATLEY KROKER: Needy and deserving students with preference given to blood grandchildren and blood great-grandchildren born to Mrs. Kroker's brothers and sisters.

L & A CONTRACTING: Capable and deserving student.

ED AND EDDIE LANGFORD: Pascagoula Separate School District graduate, majoring in education or coaching, desire to succeed and must have financial need.

LAUREL FEDERAL SAVINGS AND LOAN ASSOCIATION: Student in the College of Business Administration who resides in Jones, Wayne, Jasper, Covington, Smith, Simpson or Perry County and who needs financial assistance.

D. C. LEECH: Capable and deserving student in Athletic Administration and Coaching with financial need.

PEARL REYNOLDS LEECH: Capable and deserving students planning to teach with preference to those in elementary education.

OLA FARMER LENAZ: Capable and deserving student who plans to enter the teaching profession.

THOMAS P. LENNEP: An Air ROTC student, upon recommendation of the staff of that area, who is a junior or senior with a 2.75 minimum GPA.

MR and MRS J. D. LEWIS: Award on the basis of citizenship record, economic need and academic work, to a native Mississippian.

LANELLE GADDIS LONG HOME ECONOMICS: Capable and deserving student in Home Economics. Recommendation of the area.

LEONARD LOWREY MEMORIAL: Provides direct aid to students who have need, have interest in journalism, writing and demonstrate high potential through scholarship and outside interest especially in the field. Family members will not be excluded.

MARION COUNTY ALUMNI CHAPTER: Outstanding Marion County student.

RAYMOND MANNONI: Students majoring in the College of The Arts on merit basis.

JAMES AND ELSIE MCGEHEE: Capable and deserving graduates of Long Beach High School or as an alternative, a graduate of a public school within Harrison County. Consideration should be given to all-around students rather than those who are eligible for financial aid or academic awards.

MR. and MRS. REESE MCLENDON SCHOLARSHIP: Award to a capable and deserving student.

LYNN B. MCMAHAN, SR., GERONTOLOGY STUDENT AWARD: Outstanding senior majoring in home economics, social work, or social and rehabilitation services (Counseling Psychology) with a genuine interest in working with the elderly.

PAUL MCMULLAN ENDOWED: Mississippians who are studying in the area of finance and banking.

MEDICAL TECHNOLOGY: Student in the Department of Medical Technology. Recommendations to be set up by the President.

MERCHANTS AND MANUFACTURERS BANK: Capable and deserving student from Jones County.

MERCHANTS COMPANY EMPLOYEES—(Memory of John Tatum): Capable and deserving native Mississippian in Institution Administration.

MISSISSIPPI CONCRETE INDUSTRIES ASSOCIATION: Full-time student, Mississippi resident in program of Construction & Architectural Technology, financial need also, selection by coordinator, a professor and representative of Mississippi Concrete.

MISSISSIPPI GULF COAST CRAFTSMAN GUILD INC., R. W. PITTMAN MEMORIAL: To aid students studying the area of art, pottery, plastics, woodwork, etc. Recommendation of the Art Department.

JEROLD J. MORGAN SCHOLARSHIP: Outstanding accounting student to be selected by special committee.

MR. and MRS. LOVELLE MORRIS: Capable and deserving student. Relatives will not be excluded.

MUNRO PETROLEUM AND TERMINAL CORPORATION: Student in the master's degree program in Economic Development, upon recommendation of the faculty in that area.

WILLIAM WALTER MUNSON: Worthy individuals enrolled as regular students.

FANNIE OZELL OWINGS: Student majoring in Home Economics upon recommendation of that area.

NATIONAL ASSOCIATION OF HOME BUILDERS: Capable and deserving student upon recommendation of that area.

GEORGE R. OLLIPHANT: Needy and deserving students from Mississippi to bring their minds under the influence of education, request that the ratio of 6 females to 4 males be considered, favor needy and deserving students from Enterprise or Clarke County.

DR. RALPH S. OWINGS SCHOLARSHIP: Awarded to an outstanding graduate student in Educational Administration upon recommendation from that department.

JACK AND LOUSE PACE: Capable and deserving students from Neshoba, Scott, and Simpson County.

KATHRYN SWETMAN PAGE: Given in memory of the first person to earn a BS degree at the institution in 1922. Preference should be given to students from Harrison County who are majoring in home economics or music.

JOHN AND CLAUDIA PARKER: Capable and deserving student who plans to teach school and needs financial assistance.

PECK OIL COMPANY: Capable and deserving Forrest County student.

PENSACOLA ALUMNI CHAPTER: Capable and deserving Pensacola student.

PI OMEGA PI: Student in Business Education.

BILL PORTER: Students in voice or pre-law.

PRESIDENTIAL SCHOLARS: Presidential scholars and special scholars program.

PULLEY, PULLEY, AND GOUGH: To help worthy students in the ongoing of their education.

MARVIN REUBEN: Outstanding student in broadcasting in the School of Communication.

M. M. ROBERTS: Capable and deserving undergraduate students who are native Mississippians.

ABBIE ROGERS: Junior or senior student majoring in Special Education-Mental Retardation. To be selected by special committee.

SCIENCE AND TECHNOLOGY: Recommendation of that area.

ALTON N. "IKIE" SCOTT: Capable and deserving student with financial need. Preference given to student from Washington County, Alabama.

BILL SHAFER: Counseling and Psychology doctoral student upon recommendation of special committee.

HERSHEL and LYNN SHATTLES SCHOLARSHIP: Award to capable and deserving students from Forrest County majoring in business administration with preference given to graduates of Forrest County Agricultural High School. To be selected by FCAHS.

MR. and MRS. R. E. SHOEMAKE: Student from Forrest and Perry County working on master's degree in education or an undergraduate degree in elementary education.

MABLE VE SHANNON SILVER MEMORIAL SCHOLARSHIP: Awarded to capable and deserving student in the School of Music.
LINNIE and COLBY SIMMONS SCHOLARSHIP: Award to capable and deserving students from Jones and Jasper County with financial need.
O.L. AND MARIE B. SIMS: Student will be selected on the basis of Presidential Scholar.
DEBRA RENEE SLAY - GULF PINES GIRL SCOUT: Recipient must have minimum 2.5 GPA; be a recipient of the Gold Award or highest award in Girl Scouts, registered Girl Scout for 5 years, registered in Gulf Pines Council 2 years, recommended by Gulf Pines Council.
SOCIAL WORK: Recommendation of that area.
WILBUR W. AND POLLY STOUT: Awarded to the senior-to-be who has the best grade point average in English after having completed three years at USM.
E. V. and CATHERINE THOMAS: Adult women. Preference to displaced homemakers who need to train for a career for economic security as recommended by the Director of Office of Orientation and Retention.
JOHN D. THOMAS MUSIC SCHOLARSHIP: The student must have completed one year of college work with a good average, be a music major, need financial assistance.
W. A. THOMSON: Capable and deserving student in the Hattiesburg area.
DOUGLAS ALLEN TRAWEEK: A senior who has financial need with preference to Clarke County residents.
TRUSTMARK BANK: Children of Trustmark employees below the level of Senior Vice President, based on either need and/or academic achievement as determined by the Scholarship Committee, maintaining a 2.5 or equivalent overall GPA. If no employee dependent meets eligibility, award to a junior or senior in Banking and Finance based on need and/or academic achievement. Recipient must maintain a 3.0 or equivalent GPA.
USM WOMEN'S CLUB: Preference given to children of USM faculty or staff employed after July 1, 1977 whose parent is a member of USM Women's Club.
UNIFIRST: Capable and deserving students.
VALEDICTORIAN: High school valedictorians under guidelines of the Office of Recruitment.
DR. J. FRED WALKER: Outstanding student in biology or pre-med.
WALTHALL CITIZENS BANK OF TYLERTOWN: Capable and deserving Walthall County student.
WARREN COUNTY ALUMNI CHAPTER: Capable and deserving Warren County student upon recommendation.
WEST GULF COAST BOARD OF REALTORS: Capable and deserving real estate student from the area of sponsor.
LEON AND IVAH WILBER: Divide between the Outstanding Panhellenic Woman and outstanding senior in Political Science who plans to do graduate work at USM.
BRUCE T. WILGUS: Outstanding volunteer worker to be selected by the staff of the Equestrian Center.
LOWERY WOODALL: Students in the College of Business Administration upon recommendation from that area.
EDNA DAVES YARBROUGH: Award on the basis of Christian dedication, belief in God, financial need and a high respect for the U.S. Government.
1958 Class Endowment—Capable and needy student.
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1962 Class Endowment—Capable and needy student.
Scholarship Fund of the Sixties—Capable and needy student.

STUDENT ACTIVITIES

The main source of the extra curricular activities at the University of Southern Mississippi is the multitude of student organizations and activities. Some 200 student organizations, of almost as many purposes and objectives, grace the Southern scene. These organizations include all categories of participation: service, social, religious, professional, honorary, and on and on to provide an opportunity for almost any interested student to participate. While these activities are outside of or "extra to" the formal curricula, they are unquestionably a part of the student's total experience while he or she is enrolled at the University of Southern Mississippi.

In addition to the numerous student organizations, there are three groups which, by their representative function, serve the entire student body in their various capacities and areas.

These groups are: Associated Student Body, University Activities Council, and Student Religious Federation.

While these groups are deliberative and propose to represent the views and wishes of the entire student body, other student governing groups may be found in the residence halls, the fraternity and sorority system, and the international student community.

ASSOCIATED STUDENT BODY

The Associated Student Body of USM consists of all students enrolled in the University. It is structually set up with executive, legislative, and judicial branches. The officers of the ASB comprise the executive branch, elected representatives from the academic colleges and places of residence make up the Senate or legislative branch, and the student courts comprise the judicial branch.

The ASB, however, is much more than a structured student organization. It is the official voice of the student in University affairs. In addition, the ASB serves the student in special services and projects, along with providing representation on committees and boards. These services include a check cashing service, short-term loans, refrigerator rental, legal services, a student discount card, and a health insurance program.

ASB projects include the Miss Southern Pageant, student elections, cheerleader and spirit activities, recruiting, and the student handbook.

The Associated Student Body is constantly striving to improve programs and services available to the USM student population. By working with the University administration and voicing student concerns, the ASB promotes the welfare of all students in all phases of university life.

DISABLED STUDENT SERVICES

Disabled Student Services provides a variety of programs and services to students with any type of temporary or permanent physical disability. The office is staffed by a professional counselor and an office assistant.

Some of the services available include: orientation, registration assistance, textbook enlargement, and campus accessibility. The office also provides assistance to students receiving services and funds through the various vocational rehabilitation agencies.

New students are encouraged to contact the office before beginning classes in order to reserve on-campus housing and make other necessary arrangements. Write Disabled Student Services, Southern Station, Box 5067, Hattiesburg, MS 39406-5067 or call 1-601-266-5024

STUDENT PUBLICATIONS

THE STUDENT PRINTZ, winner of many national awards, is the University newspaper published semi-weekly by a staff of students under the direction of faculty advisers. THE SOUTHERNER is a yearly publication, published by a student staff under the direction of a faculty adviser. PRODUCT, issued yearly and sponsored by Lambda Iota Tau, represents the best of student endeavor in short stories, essays, and poetry. A handbook for students is published by the ASB.

R.C. COOK UNIVERSITY UNION

The center of student activities at the University of Southern Mississippi is the R.C. Cook University Union, which houses the student organization offices, coffee shop, recreational area, and meeting rooms. Students use the facilities of the University Union for recreation, social, religious, and organizational activities. The Union holds membership in the Association of College Unions—International.

UNIVERSITY ACTIVITIES COUNCIL

The University Activities Council (UAC) is made up of interested students selected through an application-interview process. UAC activities include all facets of collegiate programming, the more prominent of which are weekly movies, concerts, lectures, special events, and travel.

The University Activities Council is recognized throughout the South as one of the outstanding collegiate programming groups, budgeted on per-student fee basis that allows all students to attend UAC activities on the presentation of their student identification card, except for major concerts when a nominal fee is charged.

Holding membership in the National Association of Campus Activities (NACA), the UAC keeps abreast of collegiate programming trends and developments throughout the nation, as well as the South.

ATHLETICS

The University of Southern Mississippi is a member of the Metropolitan Collegiate Athletic Conference, the College Football Association, the National Collegiate Athletic Association, and the Independence Bowl Football Association.

Intercollegiate sports are football, basketball, baseball, tennis, golf, indoor and outdoor track, cross-country, and women's tennis, basketball, softball, cross-country, volleyball and indoor and outdoor track.

RECREATIONAL SPORTS

For those who desire to participate in a competitive setting **Intramural Sports** schedules over 40 team, dual, and individual sport activities. Sport enthusiasts with special interest can take advantage of a well organized instructional and/or competitive **Sport Club** program. USM's **Outdoor Center** provides rental equipment at nominal rates, outdoor trips, and counseling for the outdoor lovers. The lighted fields, gymnasia, lighted tennis courts, swimming pool, weight room, and golf course provide opportunities for leisure recreational activities. Facilities such as **Lake Sehoy** and USM's **Equestrian Center** provide unique settings for small and large group activities. Take advantage of ''something for everyone'' through **Recreational Sports**. For more information call (601) 266-5405.

RELIGIOUS LIFE

The University of Southern Mississippi is a state supported school and is entirely nonsectarian. Religious life is encouraged, and every effort is made to cooperate with local churches. The Student Religious Federation unifies the activities of all religious groups on the campus.

It is composed of students from the entire University community and seeks to provide channels for worship and religious development. Speakers, concerts, films, forums, and debates are some of its sponsored activities.

Religious Organizations—Baptist Student Union, Campus Crusade for Christ, Canterbury-Episcopal, Assembly of God, Church of God in Christ Fellowship, Intervarsity Christian Fellowship, Jewish Student Union/Hillel, Latter Day Saints Institute of Religion, Lutheran Student Fellowship, Newman Club-Roman Catholic, Prayer Time Fellowship, Presbyterian Fellowship, Reformed University Fellowship-Presbyterian, Reorganized Church of Jesus Christ of Latter Day Saints, Southern Christian Student Center-Church of Christ, Storehouse Church Ministry, Student Religious Federation, Wesley Foundation-Methodist.

Please contact the Director of the Union and Student Activities for additional information concerning all campus religious groups.

Danforth Chapel is a place of prayer and meditation for all and is often used for worship services and weddings.

ORGANIZATIONS

General Honor Societies—There are seven general honor societies on the campus. A general honor society is an association that receives into membership individuals who have achieved high scholarship and who fulfill such additional requirements of distinction in some broad field of education and culture or in general leadership as the society has established. Lambda Sigma is a scholarship, leadership honor society for sophomore men and women. Phi Kappa Phi is a national honor society composed of men and women who have achieved superior scholarship accorded by the University. Omicron Delta Kappa is a national honorary leadership society, membership in which is the highest recognition accorded students of the University. Phi Delta Rho is a local honorary leadership society, membership in which is the highest recognition accorded women students of the University. Alpha Lambda Delta and Phi Eta Sigma are national honor societies which aim to encourage and reward high scholastic attainment among freshman students. The newest honorary organization is the Golden Key Society, a leadership honor group.

Academic Honor Societies—Alpha Epsilon Delta (pre-med), Alpha Psi Omega (dramatics), American Chemical Society Student Affiliate, Beta Alpha Psi (accounting), Beta Beta Beta (honorary biology), Beta Gamma Sigma (business), Chi Tau Epsilon (dance), Delta Sigma Pi (business), Eta Sigma Delta (hotel & restaurant administration), Eta Sigma Gamma (health and safety education), Financial Management Association, Gamma Theta Upsilon (geography), Graduate Association of Students in Psychology, Home Economics Club, Kappa Delta Pi (education), Kappa Kappa Psi (band), Kappa Mu Epsilon (mathematics), Kappa Omicron Phi (home economics), Lambda Iota Tau (literature), Lambda Sigma Society, Omicron Delta Epsilon (economics), Phi Alpha Theta (history), Phi Beta Lambda (business), Phi Chi Theta (women/business), Phi Delta Kappa (education/faculty), Phi Mu Alpha Sinfonia (music), Pi Delta Phi (foreign language), Pi Gamma Mu (social studies), Pi Omega Pi

(business education), Pi Tau Chi (religious), Rho Chi Sigma (rehabilitation counseling and services professions), Rho Epsilon (real estate), Scabbard and Blade Society (military), Sigma Lambda Chi (architecture and construction), Society for the Advancement of Management, Southern General's Drill Team (military), Tau Alpha Pi (technology and engineering), Tau Beta Sigma (band), USM Student Chapter of the American Society for Personnel Administration.

Service Organizations— Alpha Phi Omega, Angel Flight, Arnold Air Society, Associated Student Body, Associated Student Body Senate, Business Student Advisory Council, Gamma Beta Phi, Gamma Sigma Sigma, Honors Student Association, Interfraternity Council, Junior Panhellenic Council, L'Esprite de Corps, Panhellenic Council, Phi Theta Kappa Alumni Association, Phi Lambda Pi, Rotoract Club, Sigma Phi Omicron, Social and Rehabilitation Club, Southern Style.

Other Organizations—Afro-American Student Organization, American Society of Interior Designers, American Production and Inventory Control Society, Anthropological Society, Art Alliance, Association for Computing Machinery, Botegha, Chinese Student Association, Coalition for Student Involvement, Diamond Darlings, Disabled Students Coalition of USM, Eagle Boosters, Fashion Plus, Fellowship of Christian Athletes, Gamma Ut Society, George Hurst Chapter of Student Education Association, German Club, Gold Tenders, Graduate Business Association, Graduate English Association, Graduate Student Association of Computer Science & Statistics, Graduate Student Forum in the Biological Sciences at USM, Graduate Student Organization in Family Life Studies and Home Economics Education, Institution Administration Club, Institute of Electrical and Electronics Engineers, International Food Services Executives Association, International Student Organization, Library Science Association, Logos, Love, Salvation and Determination Choir, Medical Technology Club, Minority Engineers & Technologist Society, Mu Phi Epsilon, Music Educator's National Conference, Music Industry Association, National Press Photographers Association, Psi Chi, Public Relations Student Society of America, Residence Hall Association, Rho Gamma, School of Social Work Club, Semper Fi Brigade, Sierra Club, Sigma Delta Chi, Sigma Psi Alpha, Snow Ski Club, Society of Manufacturing Engineers, Society of Physics Students, Society for Paralegal Studies, Society for Pre-Legal Students, Southern Barbell Club, Southern Cinema, Southern Geological Society, Southern Shotokan Karate Club, Student Alumni Association, Student Assemblies for School of Nursing, Student Coaches Association, Student Council for Exceptional Children, Student Nursing Association, Student Planning Network, Student Speech and Hearing Association, University Activities Council, USM Adult Education, USM Association of Doctoral Students in Educational Administration, Union Board, USM American Advertising Federation, USM Chapter of National Art Education Association, USM Civitan Club, USM Collegiate Chapter of American Marketing Association, USM Community Chess Club, USM Equestrian Club, USM Gaming Society, USM Golden Girls, USM Home Builders' Association, USM Hotel Sales and Marketing Association, USM Jazz Lab Bands, USM Karate Club, USM Ranger Company, USM Recreation Club, USM Right to Life Organization, USM Rugby Club, USM Soccer Club, USM Society of Polymer Scientists, USM Sociological Society, USM Speech Communication Association, USM Sports Officials Association, USM Student Chapter of the National Association of Jazz Educators, USM Student Constructors, USM Table Tennis Club, USM Women's Gymnastics Club, USM Women's Soccer Club, and Young Democrats.

Social Fraternities—Fourteen social fraternities hold membership in the Interfraternity Council of the University. They are Alpha Phi Alpha, Alpha Tau Omega, Delta Tau Delta, Kappa Alpha, Kappa Sigma, Omega Psi Phi, Pi Kappa Alpha, Phi Kappa Tau, Sigma Alpha Epsilon, Sigma Chi, Sigma Nu, Sigma Phi Epsilon, Tau Kappa Epsilon and Phi Beta Sigma.

Social Sororities—Twelve social sororities hold membership in the Panhellenic Council of the University. They are Alpha Delta Pi, Alpha Kappa Alpha, Alpha Sigma Alpha, Chi Omega, Delta Delta Delta, Delta Gamma, Delta Sigma Theta, Delta Zeta, Kappa Delta, Phi Mu, Pi Beta Phi and Zeta Phi Beta.

Dramatic, Musical and Other Performing Groups—The University's preeminence in the fine arts fields of theatre and music is reflected in the prominent role of student performing groups. The Debate Squad and the University's own radio station also encourage student performance.

THE UNIVERSITY THEATRE, is the campus dramatic organization sponsored by the Department of Theatre and Dance. Open auditions are held for all productions and any student enrolled at the University is eligible to participate.

THE OPERA THEATRE, open to all students of the University by audition, performs many works of musicodramatic interest during the year.

THE UNIVERSITY SINGERS, auditions for which are held during the first week of each semester, give numerous concerts and tours. There is usually a waiting list of applicants for membership. Within the UNIVERSITY SINGERS are a number of smaller ensembles, such as the Madrigal Singers and various male and female groups.

THE SYMPHONIC WIND ENSEMBLE, THE SYMPHONIC BAND, AND THE CONCERT BAND are open to all University students by audition. The University's bands have an outstanding record of service to the University and the state.

THE MARCHING BAND, known as "THE PRIDE OF MISSISSIPPI," presents colorful halftime shows at the University football games and appears regularly on national television. It is open to all University students.

THE DIXIE DARLINGS, a precision drill group, open by audition to the best girl dancers of the University, are well-known nationally through their many televised appearances with the Marching Band.

THE CHAMBER ENSEMBLES perform serious programs of the best original music for smaller groups.

THE PERCUSSION CHOIR AND MARIMBA ENSEMBLE utilize programs of original music for chamber percussion performance.

THE JAZZ LABORATORY BANDS are full-sized modern jazz ensembles which play the latest arrangements of music in the big band contemporary idiom.

THE UNIVERSITY OF SOUTHERN MISSISSIPPI SYMPHONY, open to all students and faculty members of the University by audition, gives a number of concerts each year in addition to assisting with oratorios and operas.

Service awards are available to talented students. Auditions may be arranged through the School of Music.

DEBATE: The Department of Speech Communication sponsors a public debate program called Inquiry and Advocacy. The programs are conducted on campus and include both a public interview of experts on the designated topic and a parliamentary debate among USM debaters. An audience is present at both sessions and is encouraged to participate. Regardless of experience in debate, students are invited to join in this unique educational experience. For further information, contact Chair, Department of Speech Communication, Southern Station, Box 5131, Southern Hall 118, or phone (601) 266-4271.

WMSU-AM is a University-owned carrier current radio station which broadcasts to campus residence halls on 640 Khz. Students interested in working with the WMSU-AM staff should contact the Department of Radio, Television, and Film.

WMSU-FM is a University-owned educational radio station which serves the diverse educational and cultural needs of the Hattiesburg community. The station operates with a student staff under the supervision of a faculty adviser. Students interested in joining the **WMSU-FM** staff should contact the Department of Radio, Television, and Film.

UNIVERSITY FACILITIES AND EDUCATIONAL SERVICES

UNIVERSITY COUNSELING CENTER

The purpose of the University Counseling Center is to assist each individual in deriving maximum benefit from his or her University experience and developing his or her full range of potentialities. The following professional counseling services are provided: personal, so cial, and marital.

Students interested in dealing with some aspects of personal or social development should feel free to contact the Center for an appointment. Everything that is said during a counseling interview is regarded as confidential. No information is released to any individual except with the approval of the student.

Besides assisting students on an individual basis, the Center provides group study skills training to enable students to handle their academic pursuits better. How to organize study time, how to take notes, and how to take examinations are a few of the topics covered.

The Center provides growth experiences for students. Primary goals of these experiences are developing the student's ability to communicate and enhancing his or her skills in interpersonal relationships. The goal, therefore, is to provide students a chance to obtain insight into their own behavior and the behavior of others in the context of a group experience.

The Center staff is available to work with campus groups in providing leadership or communication training. The primary goals of these groups are to improve leadership abilities and to enhance the communication function in organized group activity.

The Center also serves as the University testing center. Tests given include college entrance exams and professional tests (i.e., ACT, GRE, GMAT, GSFLT, DAT, MCAT, and LSAT). For the convenience of the students, application forms for these tests are available in this office.

The Center is located in Room 200, Student Services Building. It is open from 8:00 AM to 5:00 PM, Monday through Friday. Any person who is enrolled or expects to enroll as a

student may use the services without charge. Spouses of students often use the Center. In order to make an appointment, a student may come by the Center or call 266-4829 or write to:

Director of the University Counseling Center
University of Southern Mississippi
Southern Station, Box 5075
Hattiesburg, MS 39406-5075

VETERANS AFFAIRS

Veterans affairs are administered through the Office of Admissions and Records. Assistance is given to veterans and dependents of eligible veterans to enable them to derive the maximum benefit from their veterans' educational entitlement.

PLACEMENT SERVICES

The Office of Placement Services, located on the first floor of McLemore Hall, offers the student two types of employment opportunities while attending the University: part-time employment as well as career employment upon graduation. All employment opportunities are offered free to both the students and the prospective employer.

The Student Employment Division offers the student an opportunity to obtain part-time employment while enrolled as a regular student at Southern. The service is comprehensive in that it will involve jobs for work-study as well as non-work-study both on and off campus.

The Career Employment Division provides assistance to graduating seniors, graduates, and alumni in obtaining career employment upon or after graduation. Students seeking career employment should register with Placement Services and establish a placement credentials folder during the last semester of their junior year or the first semester of their senior year. These credentials are valuable to prospective employers who are seeking information on college graduates for possible employment. The services may be used by the graduate as often as is needed.

COOPERATIVE EDUCATION PROGRAM

The Cooperative Education Program affords the student the opportunity to gain a complete education with periods of work related to the student's major. The Cooperative Education Office assists in securing meaningful jobs that will give the student practical work experience and financial support to aid in his or her education. The basic qualifications for the undergraduate Co-op Program are as follows:

1. The student must maintain at least 2.50 GPA.
2. The student must attend USM or a regional campus at least one semester prior to his or her placement.

A student is eligible to enter the program at any time during his or her career at USM. Transfer students who have been in a co-op program with another university may transfer into the USM program and maintain their original job.

Salaries of co-op students vary depending on the type of degree they are pursuing and the amount of co-op experience they have.

The Office of Cooperative Education will determine the eligibilty of students to participate in the program and screen their placement. Each student's record of performance will be periodically reviewed, once an active participant, and he or she may be placed on probation or removed from the program when not meeting minimum requirements.

Academic credit for work assignment will be determined by the student's major department and is not necessarily a part of the program.

For additional information, contact the:
Cooperative Education Coordinator
Southern Station, Box 5014
Hattiesburg, MS 39406-5014
Telephone: (601) 266-4844

THE CAREER CENTER

The Career Center offers individuals, ranging from high school age through the adult years, assistance in the process of examining and exploring career opportunities. The following services are available:

Career Counseling—Assistance in clarifying each individual's career picture, including education necessary to achieve one's goals as well as an action plan.

Individual Vocational Testing—Career interest tests administered by the counselor to assist an individual in determining vocational areas of interest. An understanding is gained of one's interests, skills, and values.

Career Information Library—Contains information on numerous occupations, giving an overview of job descriptions, salaries, advancement opportunities, and trends.

Job-Finding Skill Development—Discussion of the interviewing process, the hidden job market, job seeking skills, and resume writing. CPY 301, Job Seeking Skills, is a 1-hour academic class offered each semester teaching students how to implement job search strategies.

Computerized Vocational Guidance—Software programs which facilitate the career decision making process and which contain current information on various career areas.

The University recognizes the special needs and concerns of adults. The following services are offered to assist adults with transition to the University:

Admission—A variety of admission categories for adults is available. Special attention is given to adults who have never taken the American College Test (ACT).

Advisement—Guidance is offered in the selection of courses and the number of semester hours earned to facilitate successful entry into the University. The adult student's complete lifestyle, including work and family, is considered.

Referral and Resource—Counselors provide information regarding various University services and refer adults to appropriate offices.

Handbook for Adult Students—A comprehensive handbook containing a wealth of important information regarding University services is available through the Career Center.

Changing Careers—Special consideration is given to adults who wish to change careers. Services include career counseling, career planning, and clarification of life goals.

For more information call or write:
The Career Center
Southern Station, Box 5112
Hattiesburg, MS 39406-5112
(601) 266-4848

GENERAL STUDIES

The General Studies Advisement Center is designed to meet the needs of USM students who are undecided about their college major. The Center is staffed by USM faculty members from various academic areas. General Studies provides students the opportunity to be enrolled in a program for up to 70 credit hours while meeting the Core requirement for the University. While in General Studies, students will be able to explore their values, goals, and interests. With the help of a caring adviser, students will be able to explore academic majors, career goals, and personal values. General Studies works directly with The Career Center to help the undecided student.

General Studies offers a two-credit-hour course designed to prepare students for the transition to college life. The course, GS 101, provides an orientation to the University of Southern Mississippi in addition to covering such topics as study skills, time management, career decision-making, campus resources, and University policies and procedures. Freshman and transfer students are encouraged to enroll in GS 101 in order to enhance their college experience and provide valuable information.

For more information write or call:
The Academic Adviser
General Studies
Southern Station, Box 5112
Hattiesburg, MS 39406-5112
Phone: (601) 266-5003

CENTER FOR INTERNATIONAL EDUCATION

An administrative entity under the Office of the Vice President for Research and Extended Services, the Center for International Education administers all programs bringing international students to the United States and coordinates all programs carrying American students abroad for academic credit. In addition, the Center strives to promote a spirit of internationalism on the USM campuses, to assist academic departments in the internationalization of curriculum, to encourage student, faculty, and library development in the international sphere, and to assist business and government in projects of an international nature.

The Center is composed of three components: the English Language Institute, the Office of International Student Affairs, and the Office of International Programs.

General inquiries relating to international education should be directed to:
Center for International Education
University of Southern Mississippi
Southern Station, Box 5151
Hattiesburg, MS 39406-5151
U.S.A.

English Language Institute. The English Language Institute was founded in 1947. Since its founding, the Institute has provided intensive language instruction to international students wishing to learn English or to improve their knowledge of the language. Today, the Institute is among the oldest and largest language institutes in the United States; since 1977, some 10,500 students from fifty countries have studied at the ELI.

The Institute's language programs are of two kinds, regular and specialized. The regular intensive program begins in early September and concludes in late July each year. Within this calendar are five, eight-week sessions affording students a cultural orientation, general assistance in adjusting to their new surroundings, and four levels of study. Classification tests, given on the first day of registration, determine the level at which a student is placed. Classes with emphasis in English grammar, vocabulary, writing, and reading are offered at every level, although the exact program varies slightly with students' needs as they progress. Progression from one level to another is based on a graded series of achievement tests and on faculty approval. The Michigan Test of English Language Proficiency is given at the end of each session to levels III and IV. In conjunction with this test, the ELI offers a composition test and a fluency test designed to measure a student's active language proficiency.

More advanced students may choose part of their program of study and may avail themselves of short courses offered within each eight-week session. These short courses include TOEFL Preparation, English for Business, and English for Science and Technology. Qualified advanced students also may sit in on regular University classes.

In addition to classroom instruction, there are two language laboratories, one monitored for assigned classes and the other open to students who desire to improve their listening comprehension on an independent basis. There is also a conversational tutor program which offers students an opportunity to use English informally with a native speaker. Activities such as homestays and professional visits are organized for those students who are interested. The Institute also offers the institutional TOEFL, and the staff of the Center for International Education affords students assistance in choosing, and applying to, colleges and universities.

The Institute employs professional educators with an average of ten years of teaching experience in English as a second language. All of the faculty are native speakers, 90 percent of them hold master's degrees, and many faculty members have traveled and studied abroad.

The English Language Institute is authorized under Federal law to enroll non-immigrant alien students between the ages of 17 and 70. Applicants are required to complete all items on the application form. Upon receipt and approval of a student's application, the Immigration Officer of the Center for International Education will mail a certificate of eligibilty (Form I-20) to the prospective student, thus enabling the student to apply for a Student Visa at the nearest United States Consulate. Information concerning travel to the USA may be obtained either from the English Language Institute or from airline offices or agents in the respective countries.

For further information, write to:
Director
English Language Institute
Center for International Education
University of Southern Mississippi
Southern Station, Box 5065
Hattiesburg, MS 39406-5065
U.S.A.

Office of International Student Affairs. The Office of International Student Affairs coordinates all facets of international admissions and student services. The ISA provides counseling on immigration regulations, personal matters, culture shock and adjustment, as well as some academic counseling in conjunction with the various departments. The Office processes all international applications, evaluates foreign academic credentials and issues the appropriate immigration documents for the non-immigrant foreign student. Multi-cultural programming for the international students and the community is also coordinated by the ISA.

The ISA Office disseminates USM information to foreign schools, U.S. embassies/consulates abroad, and non-profit international organizations (such as the Institute for International Education).

This Office also provides information to and immigration documents for research scholars invited by various USM departments to participate in limited research opportunities.

For further information, write to:
Director
Office of International Student Affairs
Center for International Education
University of Southern Mississippi
Southern Station, Box 5151
Hattiesburg, MS 39406-5151
U.S.A.

Office of International Programs. The Office of International Programs administers a variety of programs providing USM students opportunities to study abroad. Summer-term programs offering regular USM academic credit include:

The British Studies Program, a summer term in London in which USM functions as the academic and logistical linchpin for an eight-school consortium comprised of the University of South Alabama, Memphis State University, Georgetown College, Hinds Community College, Midwestern State University, East Texas State University, and Auburn University-Montgomery.
The Austrian Studies Program in Vienna, Austria
The Caribbean Studies Program in Ocho Rios, Jamaica
The French Language Program, France
The Spanish Language Program in Cuernavaca, Mexico
The Japanese Business Program in Tokyo, Japan

A year long exchange program with the University of Wales-Swansea and the Canadian Studies program, designed to enhance Canadian course content, are also coordinated by the office.

For further information write to:
Center for International Education
University of Southern Mississippi
Southern Station, Box 5151
Hattiesburg, MS 39406-5151
U.S.A.

UNIVERSITY LIBRARY SERVICES

Library functions at the University of Southern Mississippi are organized into three major units: the Joseph Anderson Cook Memorial Library, the William David McCain Archives and Library, and the Teaching Learning Resource Center. Each unit is administered by a director who reports to the University Librarian.

The Joseph Anderson Cook Memorial Library

The Joseph Anderson Cook Memorial Library contains the principal collections of books, microforms, and other printed materials which directly support the instructional program of the University at all levels. Book stacks and reading areas are intermingled throughout the building, and the open shelf method of access to materials is utilized. The Library is currently acquiring approximately 23,000 new volumes annually and maintaining 5,000 current journal subscriptions. The collections are arranged according to the Library of Congress Classification System. The Library uses the computerized cataloging services of the Southeastern Library Network and the Online Computer Library Center to process materials. Access to on-line data bases is provided through Southern's Computer Assisted Retrieval Service (SCARS). These data bases provide bibliographic citations and textual or factual information on a wide range of subjects. Free access to several data bases is provided in the Reference Department through CD-ROM technology.

The William David McCain Library and Archives

The William David McCain Library and Archives houses the research collections and archives of the University of Southern Mississippi. Upon completion of the four-story structure in 1976, the University library system consolidated and transferred the Mississippiana and other special collections into this modern research facility. The resources in McCain Library and Archives are available for use by the public and the University community in the Cleanth Brooks Reading Room (Room 305). While the materials housed in this facility do not circulate outside the building and are primarily housed in non-public areas, reference librarians are present to assist patrons. The card catalog and numerous other descriptive finding aids serve as points of access to the collections, which are usually available for immediate use. Among the notable holdings of McCain Library and Archives are the Mississippiana and Genealogy Collections; the de Grummond Children's Literature Research Collection; the Woods Collection of rare books; the papers of Williams M. Colmer, Theodore G. Bilbo, and Paul B.

Johnson; the Walen Collection of Confederate and Civil War History; and the distinguished Cleanth Brooks Collection of *belles lettres*. A fourth floor gallery features periodic exhibitions, and the Library regularly sponsors public educational programs.

The Teaching Learning Resource Center

Students are provided access to non-print media through the Learning Resource Center located in Room 107 on the ground floor of the McCain Library. The Center contains study carrels for individualized, self-paced learning. These carrels are equipped with a variety of audio-visual devices including audio cassette players, videocassette players, slide projectors, filmstrip projectors, and motion picture projectors. The non-print media collection contains material from a variety of subjects and is supplemented by materials placed on reserve in the Center by faculty members. The Teaching Learning Resource Center also provides a wide range of services to faculty members in order to assist them in maintaining a high level of instructional quality for students enrolled at the University of Southern Mississippi.

UNIVERSITY PRESS OF MISSISSIPPI

The University Press of Mississippi was founded in 1970 to encourage the dissemination of the fruits of research and study through the publication of scholarly works. Functioning as the scholarly publishing arm of the state-supported universities in Mississippi, the University Press is governed by a Board of Directors made up of one representative from each of the eight state universities, one representative from the Board of Trustees of State Institutions of Higher Learning, and the director of the Press.

The University Press publishes between ten and twenty books each year. Primary areas of interest are Mississippi history and literature, but manuscripts in all areas of study are welcomed.

Administrative offices of the University Press are located in the Education and Research Center of Mississippi, 3825 Ridgewood Road, Jackson, Mississippi, 39211.

UNIVERSITY OF SOUTHERN MISSISSIPPI ALUMNI ASSOCIATION

The Alumni Association has been in existence since 1917. During the early years its chief function was related to placement service. Beginning with the session of 1945-1946, the organization experienced a rebirth. Recognizing the fact that a working alumni association is vital to the development of the institution, the Executive Committee began the organization of alumni groups in the various counties of the state. On July 1, 1953, a full-time executive secretary was employed.

The Association publishes the ALUMNI NEWS magazine four times a year. Active members of the Association receive all issues while four issues of SOUTHERN NEWS AND VIEWS are mailed to all persons on record in the Alumni Office. Graduates and former students are urged to become active members of the organization and to help support the program of activities that is designed to assist the University in its growth and development.

The Alumni Association sponsored the drive to raise the funds necessary for the construction of the first R. C. Cook University Union Building (now R. A. McLemore Hall). These funds were secured from alumni, faculty, students, friends, and the people of Forrest County and the state.

For the past several years the Association has enlisted in excess of 10,000 active members with 17,536 being included during the most recent year. This has grown from 158 during the 1952-1953 year.

At the 1954 Homecoming meeting, the Association voted to observe March 30 as University of Southern Mississippi Day. Former students of the University are urged to get together on this date when two or more reside in the same area. Organized chapters elect officers at this meeting. March 30 was selected from the important dates in the history of the school because it was on this day in 1910 that the Mississippi Legislature enacted legislation establishing the institution.

The Alumni Association helped set up the University of Southern Mississippi Foundation which is the receptacle for all gifts to Southern, which gifts are, in turn, channeled into scholarships for the students.

The Association organized, and works very closely with, the Student-Alumni Association. The purpose of this organization is to get students involved with the activities which the Alumni Association promotes in the interest of the University. A maximum of 100 students are selected on the basis of their leadership ability and where they reside; these students are a very interested and active part of the Association.

ACADEMIC ORGANIZATION

ORGANIZATION FOR INSTRUCTION

For purposes of undergraduate instruction, the University of Southern Mississippi is organized into the College of The Arts, the College of Business Administration, the College of Education and Psychology, the College of Health and Human Sciences, the College of Liberal Arts, and the College of Science and Technology.

The University of Southern Mississippi offers baccalaureate degrees in the following areas for the school year of 1989-1990.

1989-1990

College/School	Department	Majors	Degree*
College of The Arts			
	Art		
		Art	BA,BFA
	Theatre and Dance		
		Dance	BFA
		Theatre	BA,BFA
School of Music			
		Music	BM
		Music Education	BME
College of Business Administration			
	Economics and International Business		
		Economics	BA,BSBA
	Finance and General Business		
		Banking and Finance	BSBA
		Business Administration	BS,BSBA
		Real Estate and Insurance	BSBA
	Management		
		Management	BSBA
	Marketing		
		Marketing	BSBA
School of Professional Accountancy			
		Accounting	BSBA
College of Education and Psychology			
	Business and Industrial Education		
		Business Education	BS
		Industrial Arts Education	BS
		Industrial Technology	BS
		Industrial and Vocational Education	BS
	Counseling Psychology and Counselor Education		
		Social and Rehabilitation Services	BS
	Curriculum and Instruction		
		Elementary Education	BS
		Secondary Education	BS
	Psychology		
		Psychology	BA,BS
	Special Education		
		Special Education	BS

College/School	Department	Majors	Degree*
College of Health and Human Sciences			
	Hotel and Restaurant Administration (P)***		
		Hotel and Restaurant Administration	BS
School of Health, Physical Education, and Recreation			
		Coaching and Sports Administration	BS
		Health Education	BS
		Physical Education	BS
		Recreation	BS
School of Home Economics			
		Clothing Merchandising	BS
		Clothing and Textiles	BS
		Dietetics	BS
		Family Life Studies	BS
		Home Economics	BS
		Interior Design	BS
School of Nursing			
		Nursing	BS
School of Social Work			
		Social Work****	
College of Liberal Arts			
	Aerospace Studies		
	American Studies (P)***		
		American Studies	BA,BS
	English		
		English	BA,BS
	Foreign Languages and Literatures		
		Foreign Languages	BA
	History		
		History	BA,BS
	Military Science		
	Philosophy and Religion		
		Philosophy	BA,BS
	Social Studies (P)***		
		Social Studies	BA,BS
	Sociology and Anthropology		
		Anthropology	BA,BS
		Sociology	BA,BS
	Speech and Hearing Sciences		
		Education of the Deaf	BA,BS
		Speech-Language Pathology and Audiology	BA,BS
School of Communication			
	Advertising (P)***		
		Advertising	BA,BS
	Communication (P)***		
		Communication	BA,BS
	Journalism		
		Journalism	BA,BS
	Radio, Television, and Film		
		Radio, Television, and Film	BA,BS
	Speech Communication		
		Speech Communication	BA,BS
School of Library Science			
		Library Science	BA,BS
School of Public and International Affairs			
	Criminal Justice		
		Criminal Justice	BA,BS
	Economics (P)***		
		Economics	BA

College/School	Department	Majors	Degree*
	Geography and Area Development		
		Community and Regional Planning	BS
		Geography	BA,BS
	International Studies (P)***		
		International Studies	BA
	Paralegal Studies (P)***		
		Paralegal Studies	BA,BS
	Political Science		
		Political Science	BA,BS
		(Pre-Law)**	
College of Science and Technology			
	Biological Sciences		
		Biological Sciences	BA,BS
	Chemistry		
		Chemistry	BS
	Computer Science and Statistics		
		Computer Science	BS
	Geology		
		Geology	BS
	Mathematics		
		Mathematics	BA,BS
	Medical Technology		
		Medical Technology	BS
	Physics and Astronomy		
		Physics	BS
	Polymer Science		
		Polymer Science	BS
	Science Education		
		Science Education	BS
School of Engineering Technology			
		Architectural Engineering Technology	BS
		Computer Engineering Technology	BS
		Construction Engineering Technology	BS
		Electronics Engineering Technology	BS
		Industrial Engineering Technology	BS
		Mechanical Engineering Technology	BS

*Degree Abbreviations: (BA) Bachelor of Arts, (BFA) Bachelor of Fine Arts, (BM) Bachelor of Music, (BME) Bachelor of Music Education, (BS) Bachelor of Science, and (BSBA) Bachelor of Science in Business Administration.

**This program does not lead to a degree. Students completing pre-professional programs will select an academic major with an emphasis in the appropriate pre-professional area.

***(P) Programs

****BSW Program under development; BS/BA in Sociology with emphasis in Social Work currently administered by School of Social Work.

Obviously, many of these majors involve the closest cooperation among the University's academic departments. A detailed analysis of majors, emphasis areas, and minors is found under the section of this **Bulletin** devoted to each specific college. Requirements for an academic minor may be waived for students completing either the Army or Air Force ROTC programs.

COLLEGE OF THE ARTS
ACADEMIC OFFERINGS
1989-1990

School/Department	Major	Degree**
SCHOOL OF MUSIC		
	MUSIC*	BM
	Church Music Emphasis	
	Composition Emphasis	
	History and Literature Emphasis	
	Jazz Emphasis	
	Music Industry Emphasis	
	Organ Emphasis	
	Percussion Emphasis	
	Piano Emphasis	
	Strings Emphasis	
	Voice Emphasis	
	Wind Instruments Emphasis	
	MUSIC EDUCATION	BME
	Elementary Music Education Emphasis	
	Guitar Music Education Emphasis	
	Instrumental Music Education Emphasis	
	Keyboard Music Education Emphasis	
	Vocal Music Education Emphasis	
ART		
	ART*	BA,BFA
	Art Emphasis	
	Art Education Emphasis	
	Drawing and Painting Emphasis	
	Graphic Communication Emphasis	
	Three Dimensional Design Emphasis	
THEATRE AND DANCE		
	DANCE*	BFA
	THEATRE*	BA,BFA
	Acting and Directing Emphasis	
	Design and Technical Emphasis	
	General Theatre Emphasis	

*Minor Available
**Degree Abbreviations: (BA) Bachelor of Arts, (BFA) Bachelor of Fine Arts, (BM) Bachelor of Music, (BME) Bachelor of Music Education

COLLEGE OF THE ARTS

Harold Luce, Dean
Hattiesburg, MS 39406-5031
(601) 266-4984

The primary purpose of the College of The Arts is to provide its students with a well-rounded preparation for professional and teaching careers in one of the many branches of art, music, dance, or theatre. In addition, it seeks to provide opportunities for students in all departments of the University to participate in artistic activities and develop an awareness of cultural values.

To achieve its purposes, the College of The Arts offers courses of study centered around a core of theoretical, historical, and other academic subjects, as well as performance activities that are designed to develop artistic ability and general cultural awareness.

ORGANIZATION

The College of The Arts is organized into the School of Music, the Department of Art, and the Department of Theatre and Dance. Baccalaureate majors are available in Art, Art Education, Music, Music Education, Dance, and Theatre. Undergraduate minors are available in Art, Dance, Music, and Theatre. An Allied Arts course, which is designed to introduce the arts in an integrated manner, is taught by teams of instructors drawn from each department of the College. This course fulfills the University's core requirements for fine arts.

Since curricular requirements vary for each major, students desiring degrees from the College of The Arts should follow the courses outlined under each department.

Students majoring in elementary education who wish to emphasize areas in fine arts, please see "Areas of Concentration for Elementary Certification."

SCHOOL OF MUSIC

Peter L. Ciurczak, Director
Hattiesburg, MS 39406-5081
(601) 266-5363

Andersen, Behm, Bivins, T. Brown, Carnovale, Cox, Dean, DeChiaro, Donohue, Fraschillo, Gower, Gwozdz, Harkins, Hays, M.A. Hill, R.H. Hill, Hofacre, Holley, Hong, Jerome, Lebsack, Leventhal, Love, Luce, Lucktenberg, Malone, M. Moore, Moreland, Pound, R. Prenshaw, Ragsdale, R.X. Sanchez, L.D. Smith, M.A. Stringer, Tuley, Waldoff, V. Wood, Zaninelli

The University of Southern Mississippi School of Music is a fully accredited member of the National Association of Schools of Music. Requirements are in accordance with the published regulations of this Association.

Students electing to take applied lessons not required for specific degree programs are required to pay an additional fee. (See Table II, Special Fees and Expenses.)

There are two undergraduate majors available to students in the School of Music, a major in Music or in Music Education. Emphasis areas in music are: Church Music, Jazz, Music History and Literature, Organ, Percussion, Piano, Strings (including Guitar), Composition, Music Industry, Voice, and Wind Instruments. Music Education emphasis areas are: Instrumental, Keyboard, Vocal, Elementary, and Guitar.

Every music or music education degree requires participation in the same major ensemble for the equivalent of four academic years, exclusive of the student teaching semester. Major performing ensembles are band (excepting summer band), orchestra, and chorus. Jazz lab band satisfies the requirement only for students pursuing the BM degree with emphasis in jazz. For students whose degree plan requires a chorus, assignment to the proper major performing chorus is made by the director of choral activities. The approval of the School Director must be obtained for any exceptions to the major performing ensemble requirement as stated above. Students who do not have the proper number of terms of registration for the correct major performing ensemble will not be allowed to graduate.

Advisory Auditions and Examinations

Every potential music major is required to perform an advisory audition and take placement examinations in music theory and piano prior to the first term of enrollment as a music major.

Recital Attendance Requirements

Music and Music Education students are required to register for Recital Class (MUP* 199, 299, 399, or 499), attend the weekly student Recital Hour, and attend a minimum of 12 recitals/concerts each semester.

*Applied Music courses have the designation of MUP, Musical Performance Studies.

REQUIREMENTS FOR A MINOR IN MUSIC

The student who wishes to take a Bachelor of Arts or Bachelor of Science degree and minor in music may do so by taking the following distribution of courses:

	Hours
MUS 101, 102, 131, 201, 202	14
MED 331, 332 or 333	3
MUP 101, 102, 161, 162 or MED 301	6
Instrumental Elective (other than keyboard)	3
Music Elective	3

REQUIREMENTS FOR A MAJOR IN MUSIC

(Bachelor of Music—BM)

Emphasis: Voice

FRESHMAN YEAR	SEM. HRS.
ENG 101, 102	6
FN 167	1
MAT 101 or higher level	3
MUP 101, 102, 161, 199, ensemble	12
MUS 101, 101L, 102, 102L, 131, 439	11
PED 105	1
	34

SOPHOMORE YEAR	SEM. HRS.
Foreign Language	6
HIS 101, 102	6
MUP 162, 201, 202, 261, 299, ensemble	12
MUS 201, 201L, 202, 202L, 231, 232	12
	36

JUNIOR YEAR	SEM. HRS.
Foreign Language	6
MED 331, 333	3
MUP 361, 362, 370, 390, 399 ensemble	11
MUS 301, 302, 321 or 322, 440, 441	10
Social Science Elective	6
	36

SENIOR YEAR	SEM. HRS.
ENG 203	3
Mathematics or Science Elective	3
MED 450, 451	4
MUP 461, 462, 470, 490, 499, ensemble	11
Science Elective	8
	29
TOTAL:	135

Emphasis: Piano

FRESHMAN YEAR	SEM. HRS.
ENG 101, 102	6
FN 167	1
HIS 101, 102	6
MAT 101 or higher level	3
MUP 101, 102, 199, ensemble	8
MUS 101, 101L, 102, 102L, 131	8
PED 105	1
	33

SOPHOMORE YEAR	SEM. HRS.
MUP 201, 202, 299, ensemble	8
MUS 201, 201L, 202, 202L, 231, 232	12
Science Elective	8
Social Science Elective	6
	34

JUNIOR YEAR	SEM. HRS.
Core Electives	6
Electives	8
MUP 301, 302, 370, 371, 372, 375, 376, 399, ensemble	13
MUS 301, 302, 322	6
	33

SENIOR YEAR	SEM. HRS.
ENG 203	3
Mathematics or Science Elective	3
MED 301, 452, 453	6
MUP 401, 402, 470, 475, 476, 499, ensemble	12
MUS 442, 443	4
	28
TOTAL:	128

Emphasis: Organ

FRESHMAN YEAR	SEM. HRS.
ENG 101, 102	6
FN 167	1
HIS 101, 102	6
MUP 101, 102, 111, 112, 199, ensemble	12
MUS 101, 101L, 102, 102L, 131	8
PED 105	1
	34

SOPHOMORE YEAR	SEM. HRS.
Foreign Language	6
MUP 211, 212, 299, ensemble	8
MUS 201, 201L, 202, 202L, 231, 232	12
Science Electives	8
	34

JUNIOR YEAR	SEM. HRS.
MAT 101 or higher level	3
Mathematics or Science Elective	3
MED 331, 332	3
MUP 311, 312, 370, 371, 372, 399, ensemble	11
MUS 301, 302, 321 or 322, 401, 459, 462	15
	35

SENIOR YEAR	SEM. HRS.
ENG 203	3
MED 301, 423, 454, 455	9
MUP 411, 412, 470, 499, ensemble	9
MUS 444, 445	4
Social Science Elective	6
	31
TOTAL:	134

Emphasis: Strings

FRESHMAN YEAR	SEM. HRS.
ENG 101, 102	6
FN 167	1
MAT 101 or higher level	3
MED 101, 102	4
MUP 181, 199, Major Instrument	8
MUS 101, 101L, 102, 102L, 131	8
PED 105	1
	31

SOPHOMORE YEAR	SEM. HRS.
Core Electives	6
HIS 101, 102	6
MUP 281, 299, Major Instrument	8
MUS 201, 201L, 202, 202L, 231, 232	12
	32

JUNIOR YEAR	SEM. HRS.
MED 331, 332	3
MUP 370, 371, 372, 381, 399, Major Instrument	11
MUS 301, 302, 321, or 322	6
Science Elective	8
Social Science Electives	6
	34

SENIOR YEAR	SEM. HRS.
ENG 203	3
Mathematics or Science Elective	3
MED 221, 222, 301, 322, 323, 456, 457	10
MUP 470, 471, 472, 481, 499, Major Instrument	11
MUS 401, 446, 447	7
	34
TOTAL:	131

Emphasis: Wind Instruments

FRESHMAN YEAR	SEM. HRS.
ENG 101, 102	6
FN 167	1
MAT 101 or higher level	3
MED 101, 102	4
MUP 182, 199, Major Instrument	8
MUS 101, 101L, 102, 102L, 131	8
PED 105	...
	31

SOPHOMORE YEAR	SEM. HRS.
HIS 101, 102	6
MED 221	1
MUP 282, 299, Major Instrument	8
MUS 201, 201L, 202, 202L, 231, 232	12
Social Science Elective	6
	33

JUNIOR YEAR	SEM. HRS.
Core Elective	3
MED 331, 332, 421, 425	5
MUP 370, 371, 372, 382, 399, Major Instrument	11
MUS 301, 302, 321, or 322	6
Science Electives	8
	33

SENIOR YEAR	SEM. HRS.
Core Elective	3
ENG 203	3
Mathematics or Science Elective	3
MED 301, 458, 459	6
MUP 470, 471, 472, 482, 499, Major Instrument	11
MUS 401, 446, 447	7
	33
TOTAL:	130

Emphasis: Percussion

FRESHMAN YEAR	SEM. HRS.
ENG 101, 102	6
FN 167	1
MAT 101 or higher level	3
MED 101, 102	4
MUP 156, 157, 182, 199	8
MUS 101, 101L, 102, 102L, 131	8
PED 105	1
	31

SOPHOMORE YEAR	SEM. HRS.
Core Elective	3
ENG 203	3
HIS 101, 102	6
MUP 256, 257, 282, 299	8
MUS 201, 201L, 202, 202L, 231, 232	12
	32

JUNIOR YEAR	SEM. HRS.
MED 331, 332	3
MUP 356, 357, 370, 371, 372, 382, 399	11
MUS 301, 302, 322	6
Science Elective	8
Social Science Electives	6
	34

SENIOR YEAR	SEM. HRS.
Core Elective	3
Mathematics or Science Elective	3
MED 301, 321, 322, 323, 458, 459	9
MUP 456, 457, 470, 471, 472, 482, 499	11
MUS 401, 446, 447	7
	33
TOTAL:	130

Emphasis: Jazz

FRESHMAN YEAR	SEM. HRS.
ENG 101, 102	6
FN 167	1
HIS 101, 102	6
MED 101, 102	4
MUP 184, 199, Major Instrument	6
MUS 101, 101L, 102, 102L, 131	8
PED 105	1
	32

SOPHOMORE YEAR	SEM. HRS.
Core Electives	3
MAT 101 or higher level	3
MED 421, 425	2
MUP 284, 299, Major Instrument	6
MUS 201, 201L, 202, 202L, 231, 232	12
Science Electives	8
	34

JUNIOR YEAR	SEM. HRS.
Core Elective	3
MUP 380, 384, 399, Major Instrument	10
MUS 302, 360, 367, 368, 375, 376, 401, 470	17
Social Science Electives	6
	36

SENIOR YEAR	SEM. HRS.
ENG 203	3
Mathematics or Science Elective	3
MED 331, 332, 428	4
MUP 480, 484, 499, Major Instrument, Minor Instrument	14
MUS 301, 322, 467, 468, 475, 476	10
	34
TOTAL:	136

Emphasis: Church Music

The curriculum in Church Music is designed to provide a thorough and complete course of training for those who intend to pursue church music as a full-time profession. Special emphasis is placed on literature to be used in the church services. Students will not be enrolled for organ until satisfactory proficiency at the piano has been demonstrated.

FRESHMAN YEAR	SEM. HRS.
ENG 101, 102	6
FN 167	1
HIS 101, 102	6
MUP 183, 199, Major Instrument	6
MUS 101, 101L, 102, 102L, 131	8
PED 105	1
Science Electives	8
	36

SOPHOMORE YEAR	SEM. HRS.
ENG 203	3
MAT 101 or higher level	3
MUP 283, 299, Major Instrument, Minor Instrument	10
MUS 201, 201L, 202, 202L, 231, 232, 462	15
REL 131	3
	34

JUNIOR YEAR	SEM. HRS.
Core Electives	3
Mathematics or Science Electve	3
MUP 383, 390, 399, Major Instrument	9
MUS 301, 302, 305, 306, 321 or 322, 351	15
Social Science Elective	6
	36

SENIOR YEAR	SEM. HRS.
MED 331, 332, 450	5
MUP 470, 483, 499, Major Instrument	9
MUS 401, 423, 448, 449, 453, 460	16
	30
TOTAL:	136

Emphasis: Music Composition

This emphasis is designed to prepare the student for teaching theory and composition and writing and arranging music of serious intent. Various steps in the preparation of music from the preliminary sketch to the published composition are included.

FRESHMAN YEAR	SEM. HRS.
ENG 101, 102	6
FN 167	1
Foreign Language	6
MED 101, 102	4
MUP 199, ensemble, Instrument Elective	6
MUS 101, 101L, 102, 102L, 131	8
PED 105	1
	32

SOPHOMORE YEAR	SEM. HRS.
CSS 100	3
HIS 101, 102	6
MAT 101 or higher level	3
MUP 291, 292, 299, ensemble, Instrument Elective	10
MUS 201, 201L, 202, 202L, 231, 232, 321, 322	16
	38

JUNIOR YEAR	SEM. HRS.
MED 321, 322, 323, 331, 332	6
MUP 391, 392, 399, ensemble, Instrument Elective	12
MUS 301, 302	4
Science Electives	8
Social Science Electives	6
	36

SENIOR YEAR	SEM. HRS.
ENG 203	3
Mathematics or Science Elective	3
MUP 491, 492, 499, ensemble, Instrument Elective	12
MUS 401, History-Literature Electives, Theory Elective	11
	29
TOTAL:	135

Emphasis: Music History and Literature

The curriculum in Music History and Literature is planned for those who intend ultimately to teach musicology on the college level or for those who desire careers in music librarianship, music journalism, music publishing, or the recording industry—fields in which a wide and comprehensive knowledge of music history and literature is essential.

The student in music history and literature will receive a strong foundation not only in his or her chosen field but also in theory and in academic subjects which will enrich the student's cultural background.

FRESHMAN YEAR	SEM. HRS.
ENG 101, 102	6
FN 167	1
Foreign Language	6
MAT 101 or higher level	3
MUP 101, 102, 199, ensemble, Major Instrument	10
MUS 101, 101L, 102, 102L, 131	8
PED 105	1
	35

SOPHOMORE YEAR	SEM. HRS.
ENG 203	3
Foreign Language	6
HIS 101, 102	6
Mathematics or Science Elective	3
MUP 299, ensemble, Major Instrument	6
MUS 201, 201L, 202, 202L, 231, 232	12
	36

JUNIOR YEAR	SEM. HRS.
MED 331, 332, or 333	3
MUP 385, 391, 399, ensemble, Major Instrument	12
MUS 301, 302, 321, 322, History-Literature Elective	14
Science Electives	8
	37

SENIOR YEAR	SEM. HRS.
MUP 485, 499, ensemble, Major Instrument	10
MUS 401, History-Literature Elective	15
Social Science Elective	6
	—
	31
TOTAL:	139

*Music History-Literature electives to be selected from the following courses:
MUS 352, 432, 433, 434, 435, 436, 437, 450, 451, 462

Emphasis: Music Industry

The general aim of the Music Industry program, leading to the Bachelor of Music degree (with an emphasis in Music Industry), is to prepare properly qualified personnel for positions in all areas of the music industry at every level, including that of top management. In order to accomplish this within the usual four-year undergraduate university program, the course schedule has been carefully structured to include a representative selection of basic courses in general education, music, and business, together with the major courses in Music Industry, whose purpose is to relate the individual music and business courses to each other, and, at the same time, prepare the student to make a reasonable and informed choice as to his or her particular career in a specific area of the music industry.

FRESHMAN YEAR	SEM. HRS.
Core Elective	3
ENG 101, 102	6
FN 167	1
MAT 101 or higher level	3
MED 101, 102, 221	5
MUP 199, ensemble, Major Instrument	4
MUS 101, 101L, 102, 102L, 103, 105, 131	11
PED 105	1
	34

SOPHOMORE YEAR	SEM. HRS.
HIS 101, 102	6
MED 219	1
MUP 299, ensemble, Major Instrument	6
MUS 201, 201L, 202, 202L, 205, 231, 232	14
Psychology	3
Science Electives	8
	38

JUNIOR YEAR	SEM. HRS.
ACC 201, 202	6
ECO 255, 256	6
MED 331	1
MUP 399, ensemble, Major Instrument	6
MUS 301, 302, 303, 304	10
THE 410	3
	32
MUS 406 Music Industry	9

SENIOR YEAR	SEM. HRS.
Business Electives	6
ENG 203	3
GBA 295	3
Mathematics or Science Elective	3
MED 421, 425, 428	3
MGT 360	3
MKT 300, 355	6
MUP 499, ensemble, Major Instrument	6
MUS 405	2
SCM 111	3
	38
TOTAL:	151

REQUIREMENTS FOR A MAJOR IN MUSIC EDUCATION

(Bachelor of Music Education—BME)

The curricula in music education are designed to prepare musicians who will teach in the public or private schools or teach privately. The emphases listed below are designed to provide a balance between music performance, music pedagogy, and general education. These curricula are fully certified by the National Association of Schools of Music, and they satisfy teacher certification requirements. To satisfy requirements in the State of Mississippi, students seeking the BME degree must earn a grade of **C** or better in all courses carrying the MED prefix.

Criteria for Admission to Teacher Education Programs, Completion of Teacher Education Programs, forms, deadlines and procedures can be found in this **BULLETIN** under the heading COLLEGE OF EDUCATION AND PSYCHOLOGY.

Emphasis: Instrumental Music Education

FRESHMAN YEAR	SEM. HRS.
ENG 101, 102	6
FN 167	1
HIS 101, 102	6
MAT 101 or higher level	3
MED 101, 102	4
MUP 182, 199, Major Instrument	4
MUS 101, 101L, 102, 102L, 131	8
PED 105	1
SCM 111	3
	36

SOPHOMORE YEAR	SEM. HRS.
ENG 203, English Elective	6
MUP 282, 299, Major Instrument	6
MUS 201, 201L, 202, 202L, 231, 232	12
PS 101	3
PSY 110	3
Science (one physical and one biological)	8
	38

JUNIOR YEAR	SEM. HRS.
CIS 474, 475	2
MED 311, 331,332, 410	9
MUP 382, 399, Major Instrument	6
MUS 301, 302, 401	7
PSY 374	3
REF 400, 469	6
SPE 400	3
	36

SENIOR YEAR	SEM. HRS.
CIS 476	3
MED 221*, 222*, 301, 312, 412, 421*, 422*, 425*, 426*, 427*, 428*, 493	28
MUP 482, 499, Major Instrument	3
	34
TOTAL:	144

*In each area, one hour of applied study on an appropriate instrument may be substituted for class instruction. An additional private lesson music feee will be charged.

Emphasis: Keyboard Music Education

FRESHMAN YEAR	SEM. HRS.
ENG 101, 102	6
HIS 101, 102	6
MAT 101 or higher level	3
MED 301	2
MUP 101, 102, 161, 162, 199, ensemble	8
MUS 101, 101L, 102, 102L, 131	8
PS 101	3
SCM 111	3
	39

SOPHOMORE YEAR	SEM. HRS.
ENG 203, Literature Elective	6
MUP 201, 202, 261, 262, 299, ensemble	8
MUS 201, 201L, 202, 202L, 231, 232	12
PSY 110	3
Science (one physical and one biological)	8
	37

JUNIOR YEAR	SEM. HRS.
CIS 474, 475	2
MED 311, 331, 333, 410	9
MUP 261, 262, 301, 302, 390, 399, ensemble	9
MUS 302	2
PED 105	1
PSY 374	3
REF 400, 469	6
SPE 400	3
	35

SENIOR YEAR	SEM. HRS.
CIS 476	3
FN 167	1
MED 312, 411, 450, 452, 493	22
MUP 401, 499, ensemble	3
MUS 301	2
	31
TOTAL:	142

Emphasis: Vocal Music Education

FRESHMAN YEAR	SEM. HRS.
ENG 101, 102	6
FN 167	1
HIS 101, 102	6
MAT 101 or higher level	3
MUP 101, 102, 161, 162, 199, ensemble	7
MUS 101, 101L, 102, 102L, 131	8
PED 105	1
PS 101	3
	35

SOPHOMORE YEAR	SEM. HRS.
ENG 203, Literature Elective	6
MUP 201, 202, 261, 262, 299, ensemble	6
MUS 201, 201L, 202, 202L, 231, 232	12
PSY 110	3
Science (one physical and one biological)	8
SCM 111	3
	38

JUNIOR YEAR	SEM. HRS.
CIS 474, 475	2
MED 311, 331, 333, 410	9
MUP 301, 302, 361, 362, 390, 399, ensemble	13
PSY 374	3
REF 400, 469	6
SPE 400	3
	36

SENIOR YEAR	SEM. HRS.
CIS 476	3
MED 312, 411, 450, 493, instruments	22
MUP 461, 490, 499, ensemble	5
MUS 301, 302	4
	34
TOTAL:	143

Emphasis: Guitar Music Education

FRESHMAN YEAR	SEM. HRS.
ENG 101, 102	6
HIS 101, 102	6
MAT 101 or higher level	3
MED 101, 102	4
MUP 167, 168, 199, ensemble	4
MUS 101, 101L, 102, 102L, 131	8
PS 101	3
SCM 111	3
	37

SOPHOMORE YEAR	SEM. HRS.
ENG 203, Literature Elective	6
MUP 201, 202, 267, 268, 299, ensemble	10
MUS 201, 201L, 202, 202L, 231, 232	12
PSY 110	3
Science (one physical and one biological)	8
	39

*May substitute two hours of private voice.

JUNIOR YEAR	SEM. HRS.
CIS 474, 475	2
MED 301, 311, 312, 331, 332, or 333, 410	14
MUP 161, 367, 368, 399, ensemble	6
MUS 301, 302	4
PSY 374	3
REF 400, 469	6
SPE 400	3
	38

SENIOR YEAR	SEM. HRS.
CIS 476	3
FN 167	1
MED 411 or 412, 450, 493, Instrument	19
MUP 162, 467, 499, ensemble	5
MUS 401	3
PED 105	1
	32
TOTAL:	146

Emphasis: Elementary Music Education

Students wishing to become Elementary School Music specialists should follow the curriculum for Instrumental, Keyboard, Guitar, or Vocal Emphasis with the following exception: MED 440 should replace MED 411 or 412 and MUS 456 should be added.

DEPARTMENT OF ART

Jerry Walden, Chair
Hattiesburg, MS 39406-5033
(601) 266-4972

Baggett, J. Bowman, Carver-Hunt, Cox, DeWitt, Goggin, Gorzegno, Meade, Merrifield, M.W. Ryan, Van Houten, H. Ward

The University of Southern Mississippi's Department of Art is an accredited institutional member of the National Association of Schools of Art and Design. Requirements are in accordance with the published regulations of NASAD.

Curricula leading to the degree of Bachelor of Fine Arts are offered in art education, drawing and painting, graphic communication and three-dimensional design. Curricula are also available in art leading to the degree of Bachelor of Arts. Minor programs are available in art. The recommended art minor consists of nine (9) hours drawing, nine (9) hours design, and nine (9) hours of art history.

Exhibitions on tour and students' exhibitions are arranged and presented by faculty and student committees. **The National Teacher Examinations are required of all students with an emphasis in Art Education.**

REQUIREMENTS FOR A MAJOR IN ART

Emphasis: Art

(Bachelor of Arts Degree-BA)

FRESHMAN YEAR	SEM. HRS.
ART 101, 102, 111, 112, 131	15
Elective	3
English 101, 102	6
FN 167	1
Laboratory Sciences (Core)	4
MAT 101 or higher level	3
PED 105	1
	33

SOPHOMORE YEAR	SEM. HRS.
ART 332, 334	6
Art Electives	6
Art Sequence I	6
HIS 101, 102	6
Laboratory Science (Core)	4
Literature or Philosophy (Core Elective)	3
Minor or Elective	3
Science (Core Elective)	3
	37

JUNIOR YEAR	SEM. HRS.
Art Electives	6
Art History Elective	3
Art Sequence I, II	6
ENG 203	3
Foreign Language	6
Minor or Elective	3
Social Science (Core Elective)	3
	30

SENIOR YEAR	SEM. HRS.
Art Sequence II	6
Foreign Language	3
Minor or Elective	15
Social Science (Core)	6
	30
TOTAL:	130

REQUIREMENTS FOR A MAJOR IN ART

Emphasis: Art Education

(Bachelor of Fine Arts Degree-BFA)

FRESHMAN YEAR	SEM. HRS.
ART 101, 102, 111, 112, 131	15
ENG 101, 102	6
FN 167	1
HIS 101, 102	6
Laboratory Science (Core)	4
PED 105	1
	33

SOPHOMORE YEAR	SEM. HRS.
ART 221, 332, 334	9
ENG 203	3
English Literature (Core Elective)	3
HSE 101	3
Laboratory Science (Core)	4
MAT 101 or higher level	3
PSY 110	3
SCM 111	3
Social Science (Core Elective)	3
	34

JUNIOR YEAR	SEM. HRS.
ART 201, 321, 351, 414	12
Art History Elective	3
Art Studio Elective	3
ARE 309, 310	6
PSY 374	3
REF 400, 469	6
SPE 400	3
	36

SENIOR YEAR	SEM. HRS.
ART 412	3
Art History Elective	3
Art Studio Elective	3
ARE 452, 492	6
ARE 482	12
CIS 474, 475, 476	5
	32
TOTAL:	135

REQUIREMENTS FOR A MAJOR IN ART

Emphasis: Drawing and Painting

(Bachelor of Fine Arts Degree-BFA)

FRESHMAN YEAR	SEM. HRS.
ART 101, 102, 111, 112, 131, 221	18
ENG 101, 102	6
FN 167	1
HIS 101, 102	6
PED 105	1
	32

SOPHOMORE YEAR	SEM. HRS.
ART 201, 202, 321, 322	12
ART 332, 334	6
Laboratory Science (Core)	8
MAT 101 or higher level	3
Social Science (Core)	6
	35

JUNIOR YEAR	SEM. HRS.
ART 203, 302, 323, 421	12
Art Electives	9
Art History Electives	6
ENG 203	3
Literature or Philosophy (Core Elective)	3
	33

SENIOR YEAR	SEM. HRS.
ART 303, 422, 423	9
ART 428	6
Art Electives	12
Science (Core Elective)	3
Social Science (Core)	3
	33
TOTAL:	133

REQUIREMENTS FOR A MAJOR IN ART

Emphasis: Graphic Communication

(Bachelor of Fine Arts Degree-BFA)

FRESHMAN YEAR	SEM. HRS.
ART 101, 102, 111, 112, 131	15
ENG 101, 102	6
FN 167	1
Laboratory Science (Core)	4
Literature or Philosophy (Core Elective)	3
MAT 101 or higher level	3
PED 105	1
	33

SOPHOMORE YEAR	SEM. HRS.
ART 201, 202, 311	9
ART 332, 334	6
ART 341, 342, 344	9
ENG 203	3
Laboratory Science (Core)	4
Science (Core Elective)	3
	34

JUNIOR YEAR	SEM. HRS.
ART 301, 343, 441	9
Art Electives	9
Art History Electives	6
HIS 101, 102	6
Social Science (Core Elective)	3
	33

SENIOR YEAR	SEM. HRS.
ART 442, 443	6
ART 448	6
Art Electives	15
Social Science (Core)	6
	33
TOTAL:	133

REQUIREMENTS FOR A MAJOR IN ART

Emphasis: Three-Dimensional Design

(Bachelor of Fine Arts Degree-BFA)

FRESHMAN YEAR	SEM. HRS.
ART 101, 102, 111, 112, 131	15
ENG 101, 102	6
FN 167	1
Laboratory Science (Core)	4
Literature or Philosophy (Core Elective)	3
MAT 101 or higher level	3
PED 105	1
	33

SOPHOMORE YEAR	SEM. HRS.
ART 201, 202, 351, 352	12
ART 332, 334	6
Art Electives	6
ENG 203	3
Laboratory Science (Core)	4
Science (Core Elective)	3
	34

JUNIOR YEAR	SEM. HRS.
ART 302, 303, 451, 452	12
Art Electives	6
Art History Electives	6
HIS 101, 102	6
Social Science (Core Elective)	3
	33

SENIOR YEAR	SEM. HRS.
ART 453, 454	6
ART 458	6
Art Electives	15
Social Science (Core)	6
	33
TOTAL:	133

DEPARTMENT OF THEATRE AND DANCE

Judith Midyett, Chair
Hattiesburg, MS 39406-5052
(601) 266-4994

Amacker, Crook, R.B. Hill, Michaelsen, Mullican, Nielsen, Prieur, Quarnstrom

The University of Southern Mississippi Department of Theatre and Dance is an accredited member of the National Association of Schools of Theatre and the National Association of Schools of Dance. Theatre and Dance requirements are in accordance with the published regulations of these Associations.

The Department offers major and minor degree programs in both theatre and dance. These are the only programs in the state offered in a college of the arts. Both programs provide the student with sound theory and intensive practical training and, in addition, opportunities for extensive performance experiences and exposure to visiting professional artists.

For information concerning the Master of Fine Arts degree, please consult the **Graduate Bulletin.**

REQUIREMENTS FOR A MAJOR IN THEATRE

Students seeking a Bachelor of Arts Degree in Theatre must complete the following:

Emphasis: General Theatre

FRESHMAN YEAR	SEM. HRS.
ENG 101, 102	6
FN 167	1
MAT 101 or higher level	3
PED 105	1
THE 103, 111, 115, 120	14
Core Electives	6
	31

SOPHOMORE YEAR	SEM. HRS.
ENG 203	3
HIS 101, 102	6
Laboratory Sciences	8
THE 200, 201	10
Theatre electives	6
	33

JUNIOR YEAR	SEM. HRS.
Minor Electives	8
Science Electives	3
Social and Behavioral Science	6
THE 306, 320, 361	10
Theatre Electives*	6
Theatre Performance Practicum	2
	35

SENIOR YEAR	SEM. HRS.
Minor Electives	10
THE 427, 428	6
Theatre Electives*	12
Theatre Performance Practicum	2
	30
TOTAL:	129

Students seeking a Bachelor of Fine Arts Degree in Theatre must complete the following:

Emphasis: Acting and Directing

FRESHMAN YEAR	SEM. HRS.
ENG 101, 102	6
FN 167	1
MAT 101 or higher level	3
PED 105	1
THE 103, 111, 115, 120	14
Core Electives	6
	31

SOPHOMORE YEAR	SEM. HRS.
HIS 101, 102	6
Laboratory Sciences	8
THE 200, 201, 215, 304	16
Theatre Elective*	3
	33

JUNIOR YEAR	SEM. HRS.
ENG 203	3
Science Elective	3
Social and Behavioral Science	6
THE 306, 310, 320, 361	13
Theatre Elective*	3
Theatre Performance Practicum	6
	34

SENIOR YEAR	SEM. HRS.
Free Electives	12
THE 427, 428	6
Theatre Electives*	9
Theatre Performance Practicum	6
	33
TOTAL:	131

Emphasis: Design and Technical

FRESHMAN YEAR	SEM. HRS.
ENG 101, 102	6
FN 167	1
MAT 101 or a higher level	3
PED 105	1
THE 103, 120, 201	13
Core Electives	6
	30

SOPHOMORE YEAR	SEM. HRS.
ENG 203	3
Free Elective	3
HIS 101, 102	6
Laboratory Sciences	8
Social and Behavioral Science	6
THE 200, 304	8
	34

JUNIOR YEAR	SEM. HRS.
Free Elective	3
Science Elective	3
THE 306, 320, 401, 406, 433	17
Theatre Electives*	6
Theatre Performance Practicum	6
	35

SENIOR YEAR	SEM. HRS.
Free Electives	6
THE 410, 412, 427, 428	12
Theatre Electives*	9
Theatre Performance Practicum	6
	33
TOTAL:	132

*Theatre electives should be chosen from the following groups, depending on the area of emphasis.

A. Theatre (Acting): 111, 115, 215, 310, 315, 411, 414, 416, 418, 492, RTF 474
B. Dance/Movement: DAN 105 or 350, 106, or 453, 150 or 152, 250 or 252, 353, 468, 253; THE 202, 240, 361
C. Theatre (Directing): 301, 403, 414, 415, 416, 418, 420, 480, 459, 492, REF 474
D. Theatre (Costume and Makeup Design): 202, 401, 412, 445, 450, 451, 460, 461
E. Theatre (Scenery and Lighting Design): 406, 410, 412, 435, 445, 450, 451
F. Theatre (Dramatic Literature): THE 416, ENG 417, ENG 454, ENG 455, ENG 472, RTF 442, RTF 472
G. Drawing and Painting: ART 101, 102, 111, 112, 131, 201, 202, 203, 221
H. Electricity and Electronics: ELT 101, 102, 110, 111, 210, 211, 240; IVE 301, 302, 303; INT 306; ACT 316
I. TV and Film Practice: RTF 271, 311, 340, 370, 371, 411; JOU 140, 140-L, 341
J. Computer Science: CSS 100, 240, 340, 425, 426; CET 370, 370-L, 470, 470-L
K. Industrial Arts: IVE 315, 331, 332, 333, 350, 361, 364, 365, 366, 400
L. Music: MUS 100, 103, 365
M. Clothing and Textiles: CT 330, 331, 332, 334, 336, 431, 433, 437

REQUIREMENTS FOR A MINOR IN THEATRE

Students pursuing a minor in Theatre should complete the following twenty-four (24) semester hours of theatre courses:

THE 103, 120, 200, 320, plus eight (8) hours of theatre electives.

REQUIREMENTS FOR A MAJOR IN DANCE

Students seeking the Bachelor of Fine Arts Degree in Dance must complete the following:

FRESHMAN YEAR	SEM. HRS.
DAN 107	3
DAN 158	6
DAN 252	6
DAN 354	2
ENG 101, 102, 203	9
FN 167	1
HIS 101, 102	6
PED 105	1
Dance Elective*	3
	37

SOPHOMORE YEAR	SEM. HRS.
BSC 250, 250L	4
DAN 253	2
DAN 254	2
DAN 258	6
DAN 259	3
DAN 352	6
MAT 101 or a higher level	3
MUS 365	3
Social and Behavioral Science Core	3
THE 202	2
Dance Elective*	3
	37

JUNIOR YEAR	SEM. HRS.
BSC 251, 251L	4
DAN 359, 452, 462, 463	15
DAN 358	6
DAN 362	2
DAN 487	2
Dance Electives*	3
Social and Behavioral Science Core	3
THE 412	3
	38

SENIOR YEAR	SEM. HRS.
DAN 464, 465, 466, 470	11
DAN 458	6
Dance Electives*	4
PED 301	3
Science Elective	3
Core Electives	6
	33
TOTAL:	145

*Dance electives chosen from: DAN 300, 353, 363, 400, 453, 455, 471, 492, 499; THE 120.

REQUIREMENTS FOR A MINOR IN DANCE

Students pursuing a minor in Dance must complete the following twenty-five semester hours of courses:

DAN 252, 253, 259, 463, 464, plus six (6) hours of Modern Dance Technique (major level), and five (5) hours of major level dance electives from the following: DAN 107, 254, 354, 362.

COLLEGE OF BUSINESS ADMINISTRATION
ACADEMIC OFFERINGS
1989-1990

School/Department	Major	Degree**
SCHOOL OF PROFESSIONAL ACCOUNTANCY		
	ACCOUNTING*	BSBA
	Accounting Emphasis	
	Accounting-Data Processing Emphasis	
ECONOMICS AND INTERNATIONAL BUSINESS		
	ECONOMICS*	BA,BSBA
	International Business Emphasis	
FINANCE AND GENERAL BUSINESS		
	BANKING AND FINANCE	BSBA
	BUSINESS ADMINISTRATION*	BSBA
	Management Information Systems Emphasis	
	REAL ESTATE AND INSURANCE	BSBA
MANAGEMENT		
	MANAGEMENT*	BSBA
	Production/Operations Management Emphasis	
	Human Resources Management Emphasis	
MARKETING		
	MARKETING*	BSBA
	Advertising Emphasis	
	Marketing Management Emphasis	
	Purchasing Management Emphasis	
	Retail Management Emphasis	
	Sales Management Emphasis	

*Minor Available
**Degree Abbreviations: (BA) Bachelor of Arts, (BSBA) Bachelor of Science in Business Administration.

COLLEGE OF BUSINESS ADMINISTRATION

Tyrone Black, Dean
William A. Sirmon, Associate Dean
Douglas E. Wolfe, Assistant Dean
Hattiesburg, MS 39406-5021
(601) 266-4659

The College of Business Administration endeavors to be an innovative public resource whose mission involves three commitments—to provide students the foundation for building productive careers, to advance the frontiers of knowledge in the areas of business and economics, and to foster the economic and social development of Mississippi.

The College fulfills its mission through its teaching, research, and service activities. While transmission of knowledge through classroom instruction is the College's foremost priority, research contributes to the currentness of instruction, and service helps assure relevance. The balance among these activities must be consistent with the institution's status as a comprehensive university, the accreditation standards of the American Assembly of Collegiate Schools of Business, and the development needs of the state's economy.

The College's programs should prepare graduates for entry into and advancement in business and other organizations, entrepreneurial ventures, or advanced studies. The educational experience must also provide the liberal arts and global perspectives essential to long-term career and personal development.

Research should promote the national reputation of the College and contribute to the economic development of the region. Moreover, the College must foster an environment conducive to research efforts.

Finally, service to the community, our profession, and the University is a vital aspect of the College's mission. By nurturing ties with the business sector, the College will remain dynamic and its activities relevant.

Recognizing that the College of Business Administration has demonstrated its commitment to each of the foregoing objectives, the American Assembly of Collegiate Schools of Business (AACSB) has accredited all undergraduate business programs offered on the Hattiesburg Campus.

ORGANIZATION AND ADMINISTRATION

Dean's Office

The Dean is the chief administrative officer of the College of Business Administration and is responsible for its operation. In the Dean's Office the Associate Dean coordinates faculty and administrative activities, CBA course schedules and room assignments, curriculum and organizational planning, budgets, and space and resource allocation. The Assistant Dean coordinates the graduate program, graduate admission and advisement, undergraduate admission to the CBA, and undergraduate academic concerns. Students needing assistance should make inquires to the Assistant Dean.

Administrative Units

The administrative units that report to the Dean's Office include the Center for Business Development and Research and six academic areas. The Center for Business Development and Research provides the administrative framework for funded research projects, publishes research reports, responds to requests for business and economic data from business firms and others, engages in research projects, and offers research support to faculty and graduate students.

The academic areas are the School of Professional Accountancy, Management Information Systems, and the Departments of Economics, Finance and General Business, Management, and Marketing. A list of undergraduate academic offerings appears previously while detailed information on curricula follows. Each academic area is responsible for maintaining its associated student files and for academic advisement of its majors.

In addition to offering coursework, Management Information Systems is involved with computer applications within the College of Business Administration; for example, the unit supervises the acquisition, maintenance, and utilization of computer hardware and software.

STUDENT PROCEDURES

Admission

High school graduates who have been admitted by the University and who wish to major in an area of business administration will also be admitted into the College of Business Administration. Transfer students are likewise admitted directly into the College upon admission to the University.

Students who wish to transfer from another school or college within the University must be in good academic standing. Upon request for admission to the College of Business Administration, applicants must furnish a copy of a current transcript which the Assistant Dean will evaluate. After admission to the College, students will be advised in the appropriate department or school.

Junior college students who intend to complete a degree in the College of Business Administration should follow the course requirements listed below under First- and Second-Year Course Requirements. The College will not normally accept as meeting degree requirements any junior college course which is offered at the University of Southern Mississippi at the junior or senior level. At least junior standing is required of all students enrolling in College of Business Administration courses numbered 300 or above. Courses which are designated as technical training courses as well as remedial courses, such as intermediate algebra, will not be accepted as meeting degree requirements.

Students majoring in degree programs outside of the College of Business Administration may not take more than 30 credit hours of Business Administration courses without being admitted to the College.

Changes of Major

College of Business Administration students who wish to change to another business major can do so by completing a "Change of Major" form in the Assistant Dean's Office. The academic areas involved will be notified so that advisement files can be transferred.

Students who desire to transfer to a degree program outside the College of Business Administration must be accepted by the college or school offering the program. Applications for admission to the new program are processed in the dean's office of the college or school which grants the degree. The academic areas involved will be notified so that advisement records can be transferred.

Advisement

Students are assigned an academic adviser in the major area where their advisement records are maintained. Prior to registration, the adviser will help arrange a schedule of classes for the upcoming semester and sign the student's registration packet. An early advisement and registration period is scheduled near the end of each semester; students who are not advised at this time must wait until the first day of regular registration to pick up their packets and be advised.

Probation and Suspension

University regulations regarding probation and suspension are listed in this **Bulletin** under "Academic Organization and Requirements." College of Business Administration students who do not meet University grade point requirements will be placed on probation or suspended. Academic advisers can provide assistance to students who are on probation. Suspended students may make application for reinstatement in the Assistant Dean's Office. A reinstatement committee meets at the beginning of each semester to interview students applying for reinstatement and to determine whether they should or should not be reinstated.

Graduation Requirements

Students should file an "Application for Degree," available in the Assistant Dean's Office, two semesters in advance of the anticipated semester of graduation. The application requires the signatures of the student, the adviser, and the chair or director. The degree application becomes official when it is approved by the Dean's Office and is verified by the Office of Admissions and Records.

To graduate, students must meet all prescribed course requirements. The College requires a minimum of fifty-two (52) semester hours of College of Business Administration courses and also a minimum of fifty-two (52) semester hours of coursework outside the College of Business Administration.

The last sixty-four (64) hours of coursework must be taken in a senior college. Finally, to receive a Bachelor of Science in Business Administration degree from the College of Business Administration, students must complete on the Hattiesburg campus the last thirty-two (32) hours of coursework, including any specific courses designated by the Dean's Office in consultation with the appropriate chair or director. Courses taken at USM Gulf Park cannot be used to meet the thirty-two hour requirement.

In addition to meeting all coursework requirements, students must have a 2.0 grade point average (1) overall, (2) in the College of Business Administration, and (3) in the major. Transfer students must meet the foregoing grade point average requirement for all courses taken at USM and must also have a 2.0 average for all attempted college coursework.

Dual majors involving the College of Business Administration usually are not in a student's best interest. Therefore, prior to having completed seventy credit hours, a student who wishes to pursue a dual major must have such a course of study approved by the Dean's Office.

Placement

The University maintains a central Placement Bureau which assists College of Business Administration students in locating employment following graduation. Students are expected to establish a file with the Placement Bureau two semesters prior to graduation in order to qualify for interviews with prospective employers.

Student Organizations

There are several professional and honorary societies for business students who are interested in sharing common interests or who have achieved high academic standards. These societies include the following organizations: the American Society for Personnel Administration; Beta Alpha Psi, national scholastic and professional accounting fraternity; Beta Gamma Sigma, national scholastic honorary society for business students; Collegiate Chapter, American Marketing Association; Delta Sigma Pi and Phi Chi Theta, national professional business fraternities; Financial Management Association National Honor Society; Omicron Delta Epsilon, national honorary society in economics; Rho Epsilon, professional fraternity in real estate; Sigma Psi Alpha, accounting fraternity; and the Society for the Advancement of Management (SAM). Representatives from these organizations and other appointed students constitute the Business Student Advisory Council, which works with and advises the Dean on many student-related matters.

Financial Assistance

There are several scholarships which are designated for College of Business Administration students as well as other awards for which business students are eligible. Inquiries concerning scholarships and other forms of financial aid should be directed to the Director of Financial Aid, Southern Station, Box 5101, Hattiesburg, MS 39406-5101.

Graduate Studies

Undergraduate students who want to consider pursuing a graduate business degree should consult with the Assistant Dean. Admission to graduate business programs at USM is based on the undergraduate grade point average and the score on the Graduate Management Aptitude Test or GMAT. MAT 312 is a prerequisite for graduate business study. Applicants who have non-business undergraduate majors will be required to take undergraduate coursework in business prior to beginning their graduate business curriculum.

CURRICULUM: FIRST- AND SECOND-YEAR COURSE REQUIREMENTS FOR ALL COLLEGE OF BUSINESS ADMINISTRATION MAJORS

The business administration curriculum for the first two years (listed below) consists primarily of non-business courses which provide intellectual breadth and thereby complement the specialized studies that follow.

The College of Business Administration considers certain courses in English, mathematics, and science, among others, to be remedial and therefore will not apply them in meeting degree requirements; advisers can assist students in identifying these courses.

There are special restrictions on correspondence and extension credits and on credit by examination. Students who are interested in these possibilities should refer to the "Academic Organization and Requirements" section of this **Bulletin** under the sub-section "General Academic Regulations" and should obtain **prior** approval from the Dean's Office to assure that correspondence, extension, and examination credits will be applicable toward a College of Business Administration degree.

FRESHMAN YEAR	SEM. HRS.
ENG 101, 102	6
FN 167	1
HIS 101, 102	6
MAT 101, 112	6
MIS 200	3
PED 105	1
Science Laboratory Courses*	8
Speech Communication*	3
	34

SOPHOMORE YEAR	SEM. HRS.
ACC 201, 202	6
Anthropology, Psychology, Sociology*	6
ECO 255, 256	6
GBA 295	3
Geography or Political Science*	3
Humanities:	
ENG 203	3
Fine Arts*	3
One course from literature, foreign language, religion, or philosophy*	3
	33

*The following are acceptable course options to meet the requirements above:

Science Laboratory Courses:
AST 111/111L, AST 112/112L
BSC 103/103L, BSC 170/170L
BSC 180/180L, CHE 104/104L
GLY 101/101L, GLY 103/103L, or
other laboratory science approved
in General Education Curriculum
Speech Communication: SCM 111
Anthropology: ANT 101 or 221
Psychology: PSY 110 or 375
Sociology: SOC 101 or 240
Geography: GHY 101, 102, 331, or 341
Political Science: PS 101, 220, or 331
Fine Arts: AA 100, ART 130,
MUS 365, or THE 100
Humanities Elective: ENG 200,
201, 202, 203, 205, 350,
370, 371; PHI 151; REL 131;
any foreign language which
is not the student's native
language.

SCHOOL OF PROFESSIONAL ACCOUNTANCY

James R. Crockett, Director
Hattiesburg, MS 39406-5178
(601) 266-4641

Albin, S. Clark, Clinton, Dear, Depree, Estes, L. Gore, Henderson, C. Jordan, J. King, S. Lewis, J. Morgan, P. Polk, Posey, Richardson-Pate, Staniszewski, Swyers, Torres, R. Williams

The School of Professional Accountancy offers an undergraduate program which is designed to prepare students for a variety of entry-level positions in public accounting, industry, and government. The basic program is intended to prepare students for professional careers in which a depth and breadth of business and accounting knowledge is required. Students who aspire to professional certification should pursue this program. A second program which is designated as an emphasis in Accounting-Data Processing is a broader program which includes more study of management information systems and less in accounting. Students in the Data Processing emphasis would normally seek entry-level employment in the data processing departments of business and government organizations.

As the knowledge required to practice accounting is expanding rapidly, many students are finding it desirable to pursue a fifth year of study leading to a Master of Professional Accountancy (MPA). Both the Accounting major and the Accounting-Data Processing emphasis are integrated with the MPA program. See the **Graduate Bulletin** for admission and curriculum requirements.

A grade of **C** or better in certain prerequisite courses is required before students can progress to higher level accounting courses. Details of this requirement are found in the course descriptions section of this **Bulletin**.

The recommended minor in Accounting for non-business majors consists of ACC 201, 202, 301, 302, 320, and 330.

REQUIREMENTS FOR A MAJOR IN ACCOUNTING

Accounting Emphasis

JUNIOR YEAR	SEM. HRS.
ACC 301, 302, 320, 330	12
ECO 301, 302, 330	9
MAT 312	3
MGT 360	3
MIS 310	3
Elective	3
	33

SENIOR YEAR	SEM. HRS.
ACC 401, 402, 409, 410	12
ACC Electives 307, 405, 420, 430, 440, 480	6
FIN 389	3
MGT 485	3
MKT 300	3
Electives	4
	31
TOTAL:	131

Accounting-Data Processing Emphasis

JUNIOR YEAR	SEM. HRS.
ACC 301, 302, 320	9
ECO 301, 302, 330	9
MAT 312	3
MGT 360	3
MIS 300, 301, 310	9
	33

SENIOR YEAR	SEM. HRS.
ACC 330, 401, 409	9
FIN 389	3
MGT 485	3
MIS 302, 312, 401, 405, or 410	12
MKT 300	3
Electives	1
	31
TOTAL:	131

DEPARTMENT OF ECONOMICS AND INTERNATIONAL BUSINESS

Colleen W. Cameron, Chair
Hattiesburg, MS 39406-5072
(601) 266-4648

Amini, Black, T. Green, Klinedinst, E. Lewis, Li, McQuiston, Niroomand, Nissan, Payne, Sawyer, Vogel, Whitesell, D.C. Williams, Wimberly

The Economics major is designed to prepare students for positions in business, government, or education. For those who are interested in careers in international business, a major in economics with an emphasis in international business is also available. The courses comprising the major equip the student for the analysis of many of the economic problems and issues with which middle- and upper-level managers and administrators must deal. The four-year program provides the requisite skills for entry-level positions and the foundation for graduate study in economics or in areas such as law, public administration, and various business disciplines.

A Bachelor of Arts in Economics is also available; the Economics requirements for this degree are ECO 255, 256, 301, 302, 310, 335 or 330, 340, 345, 435, and one Economics elective.

The recommended minor in Economics for non-business majors consists of ECO 255, 256, 301, 310, 330, 340, and 345.

REQUIREMENTS FOR A MAJOR IN ECONOMICS

JUNIOR YEAR	SEM. HRS.
ECO 301, 302, 330, 340, 345	15
FIN 389	3
MAT 312	3
MGT 360	3
MIS 300	3
MKT 300	3
	30

SENIOR YEAR	SEM. HRS.
ACC 300	3
ECO 310, 435, ECO Electives (3)	15
MGT 485	3
Electives	10
	31
TOTAL:	128

International Business Emphasis*

JUNIOR YEAR	SEM. HRS.
ACC 300	3
ECO 301, 302, 330, 345	12
FIN 389	3
Foreign Language	3
MAT 312	3
MIS 300	3
MKT 300	3
	30

SENIOR YEAR	SEM. HRS.
ECO 340, 435	6
ECO Elective**	3
FIN 472	3
Foreign Language	6
GBA 472	3
MGT 360, 485	6
MKT 495 or MGT 495	3
Electives	1
	31
TOTAL:	128

*Twelve hours of foreign language are required, three of which may be used to meet a humanities requirement in the General Education Curriculum. All twelve hours may be taken in one language, or six hours may be taken in each of two foreign languages. The student's native language may not be selected.

**ECO 413, 436, 440, 470 or a College of Business Administration course offered through the Center for International Education.

DEPARTMENT OF FINANCE AND GENERAL BUSINESS

Donnie L. Daniel, Chair
Hattiesburg, MS 39406-5076
(601) 266-4636

Aggarwal, Beidler, Cartee, R. Caveny, Clements, Cowart, C. Dennis, Duncan, Hamwi, Hsieh, E. King, R.T. King, C. Lee, Magruder, Masters, Rayburn, Ruegger, Sirmon, P. Smith, Thornton, Warfel

This department offers major fields of study in three areas: Banking and Finance, Business Administration, and Real Estate and Insurance. An emphasis area is offered in Management Information Systems. Each curriculum stresses education in the selection and handling of tools for problem-solving, analysis, and decision-making. An approach of this kind is premised on the belief that the best qualification for administering business in the three areas is a mind disciplined to identify and analyze administrative issues and to make decisions at all levels of management.

The offerings in the field of Banking and Finance qualify the student to enter administrative training programs of financial and non-financial institutions. Offerings in the Business Administration field necessarily cut across several segments of the business curriculum including economics, finance, management, and marketing, thus opening the door to a wide range of job opportunities. Offerings in the Real Estate and Insurance major are, by contrast, more specialized, being designed essentially for the person interested in selling, risk management, and property and agency management as they relate to the insurance and real estate industries. Due to the great demand by industry for employees with a thorough understanding of the use of computers in the analysis of business information, the department offers an emphasis in Management Information Systems under the major in Business Administration.

The student who wishes to further his or her education may work for the master's degree with an emphasis in Finance. This degree will strengthen his or her qualifications for higher-level administrative positions in business and will also open new doors to teaching, research, and graduate work at the doctoral level.

The department has a recommended minor for non-business majors which requires ACC 201 and 202, ECO 255, and three electives from the following fields: Finance, Business Administration, or Real Estate and Insurance.

REQUIREMENTS FOR A MAJOR IN BANKING AND FINANCE

JUNIOR YEAR	SEM. HRS.
ACC 300 or ACC 301	3
ECO 301, 302	6
ECO 330	3
FIN 480	3
FIN 389	3
MGT 360	3
MIS 300	3
MKT 300	3
REI 325	3
REI 326 or MAT 312	3
Elective	3
	33

SENIOR YEAR	SEM. HRS.
FIN 350	3
FIN 352	3
FIN 472 or 498	3
MGT 485	3
REI 432	3
Major Electives	6
ACC 301, 302, 330	
ECO 401	
FIN 392, 462	
GBA 311	
General Electives	4
	28
TOTAL:	128

REQUIREMENTS FOR A MAJOR IN BUSINESS ADMINISTRATION

JUNIOR YEAR	SEM. HRS.
ACC 300	3
FIN 480	3
ECO 301, 302	6
ECO 330	3
FIN 389	3
MGT 360	3
MIS 300	3
MKT 300	3
Mathematics or Science Elective	3
REI 325, 330	6
	33

SENIOR YEAR	SEM. HRS.
ECO 335	3
FIN 480	3
MGT 364 or 454	3
MGT 485	3
MKT 342 or 428	3
Business Elective	3
ACC 330	
ECO 345	
FIN 352	
MKT 342 or 428	
International Elective	3
ECO 435, 436, 498, 499	
FIN 472, 498, 499	
GBA 472, 498	
REI 498, 499	
General Electives	7
	28
TOTAL:	128

Management Information Systems Emphasis

JUNIOR YEAR	SEM. HRS.
ACC 300, 301, or 320	3
CSS 242	3
ECO 301, 302	6
FIN 389	3
MAT 312	3
MGT 360	3
MIS 300	3
MIS 310, 312	6
MKT 300	3
	33

SENIOR YEAR	SEM. HRS.
ECO 330	3
MGT 485	3
MIS 302, 401, 410	9
Major Electives	6
ACC 301, 320	
CSS 240, 330, 340	
MGT 454, 465, 467	
MIS 290	
General Electives	7
	28
TOTAL:	128

REQUIREMENTS FOR A MAJOR IN REAL ESTATE AND INSURANCE

JUNIOR YEAR	SEM. HRS.
ACC 300	3
ECO 301, 302, 330	9
FIN 389	3
MGT 360	3
MIS 300	3
MKT 300	3
REI 325	3
REI 326 or MAT 312	3
REI 330	3
	33

SENIOR YEAR	SEM. HRS.
Courses selected from the following	18
REAL ESTATE GROUP: (Min. of two)	
FIN 352	
REI 334, 340, 345, 432, 434	
INSURANCE GROUP: (Min. of two)	
FIN 352, 392	
REI 326*, 425, 445, 450, 498	
MGT 485	3
General Electives	7
	28
TOTAL:	128

*May not be used in major if chosen in place of MAT 312.

DEPARTMENT OF MANAGEMENT

Robert S. Boothe, Interim Chair
Hattiesburg, MS 39406-5077
(601) 266-4673

B. Allen, Brooking, Bushardt, J.L. Davis, Duhon, Fennell, Fleming, Hunt, Minton, Skrmetti, D. Wolfe

The programs of study in Management have three objectives: (1) to provide students with concepts, knowledge, and skills required in the effective management of profit-making enterprises, government institutions, and non-profit service organizations; (2) to prepare the student for employment which will lead to positions of managerial responsibility; and (3) to make education in general management available to students pursuing technical, educational, and professional careers.

Students interested in majoring in Management may elect to emphasize study in Human Resource or Production/Operations Management. The Management major places emphasis upon an overall view of the organization in which the student obtains a thorough knowledge of management concepts and techniques and develops executive skills necessary for effectiveness in the administrative world. The Human Resource Management emphasis covers human problems of administration including union-management relations, manpower development, compensation, and managerial communications. The Production/Operations Management emphasis provides instruction in quantitative analysis, material handling, quality standards, and manufacturing resource planning.

Careers in management are available in industry, government, service organizations, and teaching. The students' education and training will, when coupled with additional maturity and experience, serve to further their careers in more responsible management positions such as production or plant manager, labor relations director, or personnel administrator.

The recommended minor in Management for a non-business major is ECO 255, MGT 360, and four courses in the Management Department, excluding MGT 485.

REQUIREMENTS FOR A MAJOR IN MANAGEMENT

JUNIOR YEAR	SEM. HRS.
ACC 300	3
ECO 301	3
ECO 302, 330	6
FIN 389	3
MGT 360, 364	6
MIS 300	3
MKT 300	3
Electives-Advanced Mathematics, Speech Communication, English, or Behavioral Science	3
	30

SENIOR YEAR	SEM. HRS.
MGT 454, 455, 465, 485	12
MGT 495 or 499	3
Approved Management Electives	9
General Electives	7
	31
TOTAL:	128

Human Resource Management Emphasis

JUNIOR YEAR	SEM. HRS.
ACC 300	3
ECO 301	3
ECO 302, 330	6
FIN 389	3
MGT 360, 364	6
MIS 300	3
MKT 300	3
Elective in Advanced Mathematics, Behavioral Science, Speech Communications, or English	3
	30

SENIOR YEAR	SEM. HRS.
MGT 454, 455, 465, 485	12
MGT 495 or 499	3
MGT 468, 472, 484	9
General Electives	7
	31
TOTAL:	128

Production/Operations Management Emphasis

JUNIOR YEAR	SEM. HRS.
ACC 300	3
ECO 301	3
ECO 302, 330	6
FIN 389	3
MAT 312	3
MIS 310, 312	6
MGT 360, 464	6
MKT 300	3
	33

SENIOR YEAR	SEM. HRS.
MGT 454, 455, 465, 467, 485	15
MGT 495 or 499	3
Approved Management Electives	6
General Electives	4
	28
TOTAL:	128

DEPARTMENT OF MARKETING

Alvin J. Williams, Chair
Hattiesburg, MS 39406-5091
(601) 266-4627

Fraiser, Gilbert, Henthorne, Ivy, Loyd, Prenshaw, Reidenbach, Schoell, W. Smith, Warren

Marketing is a major concern of all businesses and a growing number of non-profit organizations. The goals of the marketing program are to: (1) prepare students for entry-level positions in marketing; (2) provide the background necessary to advance to higher level marketing management positions; and (3) develop executive skills that are critical for success in all business occupations. It is necessary, therefore, that the student not only learn marketing concepts but also develop the ability to: (1) think creatively; (2) solve problems; (3) communicate orally and in writing; and (4) understand and work with people.

Marketing courses are taught in such a way that the student obtains a thorough knowledge of marketing principles and techniques and develops the executive skills needed to apply them in the business world.

Students in the department major in Marketing and select an emphasis in one of the following areas: marketing management, sales management, retail management, advertising, or purchasing management. The Marketing Management emphasis allows students to select a general marketing curriculum as preparation for careers as marketing officers of small firms. It is also appropriate for graduate work. The Sales Management emphasis is designed to prepare students for professional sales and sales management positions with major manufacturers, wholesalers, and multinational corporations. The course sequence specifies courses which are geared to the skills and knowledge necessary to enter these fields. Students interested in pharmaceutical sales careers should discuss this option with their advisers early in their academic careers. The Retail Management emphasis prepares students for retail management positions with regional and national retail firms. It is also appropriate for students who want to own retail stores. Students selecting an emphasis in Advertising take a specialized program to prepare them for the exacting requirements for advertising careers. Advertising graduates are employed as account executives, promotional managers, and advertising managers for firms in retailing and manufacturing. The Purchasing Management emphasis prepares students for careers in industrial, institutional, and governmental purchasing.

Upon graduation, marketing majors obtain employment as sales representatives, purchasing managers, advertising technical or managerial personnel, and retail store owners, managers, or buyers. With experience or graduate training, graduates move into marketing research, product management, or marketing management positions. Career opportunities are numerous since more than half of all American workers are employed in the marketing of products and services.

For a student not majoring in the College of Business Administration, a minor in Marketing may be earned by completing eighteen (18) hours of courses in the following recommended sequence:

	Hours
MKT 300	3
MKT 330, 342, 355	9
MKT 430, 442, 455 (select one)	3
One other marketing elective	3
Total	18

REQUIREMENTS FOR A MAJOR IN MARKETING

Marketing Management Emphasis

JUNIOR YEAR	SEM. HRS.
ACC 300	3
ECO 301, 302, 330	9
MGT 360	3
MIS 300	3
MKT 300, 322	6
Select two: MKT 330, 342, 355, 370	6
*Directed Elective (Select from behavioral science, social science, mathematics, or management information systems)	3
	33

SENIOR YEAR	SEM. HRS.
FIN 389	3
MGT 485	3
MKT 424, 428	6
Select one: MKT 365, 380, 390, 466, 495	3
Select two: MKT 410, 430, 442, 458	6
*Electives	7
	28
TOTAL:	128

*Courses selected must be approved by chair.

Sales Management Emphasis

JUNIOR YEAR	SEM. HRS.
ACC 300	3
ECO 301, 302, 330	9
MGT 360	3
MIS 300	3
MKT 300, 322, 330	9
Select one: MKT 342, 355, 365	3
*Directed Elective (Select from behavioral science, social science mathematics, management information systems, or other courses approved by chair)	3
	33

SENIOR YEAR	SEM. HRS.
FIN 389	3
MGT 485	3
MKT 424, 428, 430	9
Select two: MKT 370, 380, 495	6
*Electives	7
	28
TOTAL:	128

*Courses selected must be approved by chair.

Retail Management Emphasis

JUNIOR YEAR	SEM. HRS.
ACC 300	3
ECO 301, 302, 330	9
MGT 360	3
MIS 300	3
MKT 300, 322, 330, 342	12
*Directed Elective: (Select from behavioral science, social science, mathematics, or management information systems)	3
	33

SENIOR YEAR	SEM. HRS.
FIN 389	3
MGT 485	3
MKT 355, 365, 424, 428, 442	15
*Electives	7
	28
TOTAL:	128

*Courses selected must be approved by chair.

Advertising Emphasis

JUNIOR YEAR	SEM. HRS.
ACC 300	3
ECO 301, 302, 330	9
MGT 360	3
MIS 300	3
MKT 300, 322, 355	9
Select one: MKT 330 or 342	3
*Directed Elective: (Select from behavioral science, social science, mathematics, or management information systems)	3
	33

SENIOR YEAR	SEM. HRS.
FIN 389	3
MGT 485	3
MKT 365, 424, 455,	9
Select one: MKT 428 or 458	3
Select one: RTF 330; JOU 330 or 333	3
*Electives	7
	28
TOTAL:	128

*Courses selected must be approved by chair.

Purchasing Management Emphasis

JUNIOR YEAR	SEM. HRS.
ACC 300	3
ECO 301, 302, 330	9
MGT 360	3
MIS 300	3
MKT 300, 322, 330, 370	12
*Directed Elective: (Select from behavioral science, social science, mathematics, or management information systems)	3
	33

SENIOR YEAR	SEM. HRS.
FIN 389	3
MGT 465, 485	6
MKT 390, 410, 424, 428	12
*Electives	7
	28
TOTAL:	128

*Courses selected must be approved by chair.

COLLEGE OF EDUCATION AND PSYCHOLOGY

ACADEMIC OFFERINGS

1989-1990

Changes in teacher education certification have recently been mandated by the Mississippi State Department of Education. Existing teacher education programs as presented in this bulletin are subject to change contingent on formal university approval. Please consult your academic adviser for alterations pending in this program.

Department	Major	Degree**
BUSINESS AND INDUSTRIAL EDUCATION		
	BUSINESS EDUCATION	BS
	Administrative Support Services Emphasis	
	Bilingual Administrative Support Services Emphasis	
	Business Teacher Education Emphasis	
	Court Reporting Emphasis	
	Distributive Education Emphasis	
	Office Management Emphasis	
	INDUSTRIAL ARTS EDUCATION*	BS
	INDUSTRIAL TECHNOLOGY*	BS
	INDUSTRIAL AND VOCATIONAL EDUCATION	BS
	Technical Education Emphasis	
	Trade and Industrial Emphasis	
COUNSELING PSYCHOLOGY AND COUNSELOR EDUCATION		
	SOCIAL AND REHABILITATION SERVICES*	BS
CURRICULUM AND INSTRUCTION		
	ELEMENTARY EDUCATION	BS
	SECONDARY EDUCATION*	BS
PSYCHOLOGY		
	PSYCHOLOGY	BA, BS
	General Psychology Emphasis	
	Pre-Professional Psychology Emphasis	
SPECIAL EDUCATION		
	SPECIAL EDUCATION	BS
	Mental Retardation Emphasis	
	Specific Learning Disabilities Emphasis	

*Minor Available
**Degree Abbreviations: (BA) Bachelor of Arts, (BS) Bachelor of Science

COLLEGE OF EDUCATION AND PSYCHOLOGY

James O. Schnur, Dean
James A. Siders, Assistant Dean
Hattiesburg, MS 39406-5023
(601) 266-4568

Paul Peddicord, Assistant Dean
Hattiesburg, MS 39406-8206
(601) 266-4477

The University of Southern Mississippi, through its College of Education and Psychology, holds membership in the American Association of Colleges for Teacher Education. All undergraduate programs in teacher education are fully accredited by the National Council for Accreditation of Teacher Education (NCATE). For details of graduate teacher education programs, consult the **Graduate Bulletin**. For degrees offered by each department, please see the previous page.

PURPOSES

The purposes of the College of Education and Psychology are: (1) to prepare teachers for the public schools and the colleges and universities; (2) to offer non-teaching degree programs on the undergraduate level in business education, industrial technology, psychology, and social and rehabilitation services (for graduate level non-teaching degree programs consult the **Graduate Bulletin**); (3) to provide clinical and professional services to the public schools of Mississippi and to the University; and (4) to promote educational and psychological research.

These purposes are achieved through: (1) the work of the various departments in the College; (2) clinics and offices for professional services; (3) cooperation with the public schools; and (4) cooperation with other colleges and schools of the University in the development of teacher education programs that meet requirements for Mississippi certification and National Council for Accreditation of Teacher Education approval.

ADMISSION REQUIREMENTS

Any student who satisfies admission requirements to the University of Southern Mississippi through the Office of Admissions and Records is eligible for admission to the College of Education and Psychology. An Application for Admission (Form A7) must be approved by the Dean of the College of Education and Psychology and be filed in this office. The above criteria for admission apply to beginning freshman students, transfer students from within the University of Southern Mississippi, and transfer students from another college or university.

Admission to the College of Education and Psychology does not constitute admission to a teacher education program nor to a non-teaching major program. Program planning and proper advisement must be completed to gain admission to both Teacher Education Programs and Non-Teaching Programs. Regular status in the College of Education and Psychology is maintained by meeting the quality point requirements for hours completed as designated by the general University requirement and evaluated by the Office of Admissions and Records.

GENERAL CORE, COLLEGE OF EDUCATION AND PSYCHOLOGY

The core for the College of Education and Psychology builds on the University core. However, for degree programs leading to teacher certification, the following courses must be completed to meet both the University core and state certification requirements:

Biological Science with laboratory	4 hrs.
ENG 101 and 102	6 hrs.
ENG 203	3 hrs.
**English Elective	3 hrs.
Fine Arts Elective	3 hrs.
*FN 167	1 hr.
HIS 101 and 102	6 hrs.
MAT 101	3 hrs.
Mathematics or Science Elective	3 hrs.
*PED 105	1 hr.
PSY 110	3 hrs.
Physical Science with laboratory	4 hrs.
SCM 111, 305, or 330	3 hrs.
Social Science Electives	6 hrs.
**Social Science Elective	3 hrs.

(Social Science block with no more than 3 hours from any one area: anthropology, economics, geography, political science, sociology)

*Does not count toward teacher education admissions grade point average.

**May be counted toward Science deficiency attributed to 3 hour science labs for admissions grade computation only.

TEACHER EDUCATION PROGRAMS AND REQUIREMENTS

One of the primary functions of the College of Education and Psychology is that of coordinating the teacher education programs for the University. The following objectives were formulated to carry out adequately this function:

1. Attract those students who desire to make teaching a career.
2. Acquaint prospective teachers with all phases of the profession through the tutelage of a competent College staff.
3. Provide programs of basic studies and pre-teaching activities which will ensure an acceptable level of teaching knowledge and skill in an area of specialization.
4. Make available to students the educational resources and support services needed to complement their instructional program.
5. Maintain a continuous counseling service which will help to guide students in the proper selection of courses for their personal and professional development.
6. Sustain an orderly system of selecting and retaining those individuals who perform at or above those standards required by the Teacher Education Council.
7. Encourage both instructors and students in the various classes to visit and observe local schools in day-to-day operations.
8. Study, screen, and assign students to school classrooms where qualified teachers can provide certain pre-teaching experiences.
9. Aid students in obtaining state certification in their area or areas of specialization.
10. Help students make appropriate career decisions.
11. Provide prospective employers with proper information regarding students' performance at the University.
12. Utilize a system of follow-up on each student's performance as a classroom teacher.
13. Make staff members available to local school inservice programs which are designed especially for staff and/or curriculum improvement.

Policy Concerning Admission to Teacher Education Programs

Students who desire to be admitted to a professional teacher education program (not just admitted to a college, school, or department of education) at an institution under the governance of the Board of Trustees of State Institutions of Higher Learning must have first successfully passed the College Outcome Measures Program (COMP) test or the Communication Skills and General Knowledge subscales of the National Teacher Examination (NTE). This test will be used to determine the students' command of the basic skills and general education knowledge. The students described above would typically be in their sophomore year and would be beginning the normal full sequence of professional education courses in their junior year. Of equal importance is the satisfaction of a 2.50 grade point average on a restricted 44 hour general core. This is a requirement of the Mississippi State Department of Education.

Criteria for Admission to Teacher Education Programs

All applicants for admission to a program leading to teacher certification must be approved. Individuals who desire to pursue a Teacher Education Program should file a Program Planning Form by:

1. Obtaining the Program Planning Form (Ed 8b) from the College of Education and Psychology Dean's Office.
2. Filling out this form properly with the major adviser.
3. Having the certification clerk check the Program Planning Form in the Dean's Office, College of Education and Psychology.

Upon receiving the required forms, the Dean's Office will initiate a file on the student.
Once this sequence is accomplished successfully, a **T.E.** should be evidenced each semester on the Registration Appointment Form. This symbol indicates to all advisers involved that an approved program plan for teaching certification has been checked and filed in the College of Education and Psychology Dean's Office.

Criteria which must be met for tentative approval include the following:

1. An overall 2.50 grade point average based on a minimum of 44 semester hours general core requirement.
2. At least a **C** average in first year English.
3. Pass an admissions test according to standards set by the Board of Trustees of State Institutions of Higher Learning.

Criteria for Completion of Teacher Education Programs

All teacher candidates must complete all graduation requirements set forth in the general University regulations as well as: (1) complete all program requirements outlined in the official Program Plan (Ed 8b); and (2) earn a grade of **C** or higher in all professional education courses included in the respective teaching program.

All teacher candidates must complete the professional education core courses. This professional education core is to be completed in the following sequence:

BASIC CORE

PSY 374	3 hrs.
REF 400	3 hrs.
REF 469	3 hrs.
SPE 400	3 hrs.

ADVANCED CORE

Area Methods Course	3 hrs.
CIE/CIS 474	1 hr.
CIE/CIS 475	1 hr.

RECITAL

CIE/CIS 476	3 hrs.
Student Teaching	12 hrs.

The Basic Core Exam reviewing Basic Core coursework must be passed prior to enrolling in the Advanced Core coursework. The Advanced Core Exam must be passed before Recital may be attempted. Multiple assessments with the Mississippi Teacher Assessment Instrument (MTAI) will be conducted during the student teaching experience.

Teaching Certification

Students preparing to teach must choose a teaching area from one of the following: Elementary Education (K-8), Secondary Education (7-12), or Special Areas (K-12).

The student should note the teacher state certification requirements supersede the program requirements listed in this **Bulletin.** Mandated changes in program requirements will be communicated through the student academic adviser.

To prepare for a career in secondary education the student will either: (1) major in secondary education and select two teaching emphases leading to teacher certification; or (2) secure an academic major in an area of teacher certification along with a secondary education major or minor. In addition to the aforementioned, the student should refer to additional general and professional requirements listed under the Secondary Education Section (see Department of Curriculum and Instruction).

Additionally, the **National Teacher Examinations** must be taken by all who seek a teaching certificate. Results must be forwarded to the State Department of Education.

Requirements for Teaching Degrees

Students preparing to teach usually pursue the Bachelor of Science degree through the College of Education and Psychology. However, students preparing as teachers at the secondary school level may choose to pursue the Bachelor of Arts degree through the College of Education and Psychology provided the degree is offered for the major in the college or school offering the major. It is permissible for a student to graduate from any college or school that offers a teaching major if the student prefers. However, all students who desire to become teachers must apply for admission to the Teacher Education Program in the College of Education and Psychology and be screened according to the preceding admission standards.

Requirements for Non-Teaching Degrees

The College of Education and Psychology offers major programs in psychology, business education with emphases in office management, administrative support services, bilingual administrative support services, and court reporting, social and rehabilitation services, and industrial vocational areas leading to the Bachelor of Science non-teaching degree. Students in psychology may take programs leading to the Bachelor of Arts degree.

Bachelor of Arts (Non-Teaching)

The requirements for the Bachelor of Arts non-teaching degree are the same as those for the Bachelor of Science non-teaching degree with one exception. Students in the Bachelor of Arts program must complete six (6) to nine (9) hours in a foreign language. Those students who have completed two years of the same language in high school and make satisfactory placement test scores may meet the language requirement by completing six (6) semester hours in the same language at the 200 level or above.

Major Requirements and Electives

Students should consult with their major departments concerning the major and/or minor requirements and electives which constitute the balance of the degree requirements.

SPECIAL SCHOOL SERVICES

OFFICE OF STUDENT TEACHING

Cynthia Ward, Director
Hattiesburg, MS 39406-5028
(601) 266-4571

The basic purpose of the student teacher program is to provide all students in teacher education with opportunities that will assist them in developing the skills and competencies necessary for a beginning teacher. The student teaching program provides an environment for a realistic evaluation of the strengths and weaknesses of prospective teachers.

All student teaching is done in off-campus cooperating schools designated by the Director of Student Teaching. Supervision is provided by cooperating school personnel and faculty members of the University.

Each student must follow the procedure listed below in submitting his or her application for student teaching.

Requirements for Student Teaching

Application:

Formal application must be submitted to the Office of Student Teaching at the beginning of the semester prior to the student teaching semester. Applications for student teaching in the spring semester must be in the Student Teaching Office no later than September 30; February 28 is the deadline for fall semester student teaching.

ALL STUDENTS MUST REGISTER FOR STUDENT TEACHING THROUGH USM.

All student teachers:

1. Must have completed a minimum of eighty-eight (88) semester hours of college work.
2. Must have completed a minimum of twenty-one (21) semester hours in their major field, six (6) of which must have been taken in residence in this institution.
3. Must have at least a 2.50 overall average at the time they submit their application.
4. Must have been admitted to a teacher education program.
5. Must expect to spend the required time in off-campus schools designated by the Director of Student Teaching.

STUDENT TEACHING SEMESTER: Candidates for student teaching must submit documented evidence of a 2.50 overall average at the time of application and at the time of student teaching.

Candidates for student teaching in the elementary school must have completed the following courses—REF 400, 469; CIE 300, 301, 305, 306, 309, 343, 407, 474, 475; PSY 370, 374; SCE 432; and SPE 400.

Candidates for student teaching in the secondary school must have completed REF 400, 469; CIS 474, 475; SPE 400; PSY 374; and special methods courses listed as CIS 451-465.

Candidates for student teaching in Special Education must have completed PSY 374; REF 400, 469; thirty (30) semester hours in SPE; and CIE 474, 475.

Registration in the Student Teaching semester is restricted to 15 hours (Student Teaching and the Professional Development Seminar).

PSYCHOLOGY CLINIC

B. Jo Hailey, Director
Hattiesburg, MS 39406-5068
(601) 266-4588

The Psychology Clinic, maintained by the Department of Psychology for the purpose of training advanced students in clinical psychology, provides comprehensive psychological services to USM students, faculty and staff, and to the public. Several types of psychological therapy are available, including behavior modification, biofeedback training, psychodynamic, and insight oriented psychotherapy. Diagnostic testing and behavioral assessment of the type commonly conducted by clinical psychologists is also provided. Intelligence testing, general personality assessment, and neuropsychological evaluations comprise the most frequent type of assessment activities. Such services are frequently conducted at the Clinic in response to referrals from physicians and other professionals in the Hattiesburg community, although requests for services may be made directly and without referral.

MATHEMATICS EDUCATION SERVICES CENTER

The Director

Hattiesburg, MS 39406

(601) 266-5247

The Mathematics Education Services Center operated by the Department of Curriculum and Instruction offers a program of diagnostic assessment and follow-up prescriptive teaching for elementary-age children throughout the academic year.

The cost of these services per semester are as follows:

1. $35.00 - Diagnostic Assessment
2. $135.00 - Prescriptive Teaching

THE READING CENTER

The Director

Hattiesburg, MS 39406

(601) 266-5247

The primary responsibility of the Reading Center is in promoting effective teacher education for elementary and secondary students in methods, techniques, and materials in reading and language arts. Focus of the programs is at the undergraduate, master's and advanced graduate levels emphasizing theory, practice, evaluation, and research. The Reading Center is able to offer limited services in the diagnosis of reading problems and remedial reading to children referred to the Center. The cost of the diagnostic evaluation which includes a suggested program of remedial procedures is $75.00, or a proportionate part, based on ability to pay. Remedial instruction, provided by a graduate or undergraduate student on a limited basis, is $40.00 per semester (fall and spring) and $30.00 for summer.

An up-to-date collection of materials used for elementary, secondary, or adult reading instruction and a library of children's books are open for examination.

University students and adults may obtain testing, counseling, and special instruction in the reading areas of comprehension, vocabulary development, and study skills improvement through enrolling in the Center's "Improvement of Study" course.

An annual reading conference is held each year in the spring or summer. Nationally known reading authorities are featured on the program.

EDUCATION SERVICE CENTER

Johnny R. Purvis, Director

Hattiesburg, MS 39406-5068

(601) 266-4559

The general purpose of the Education Service Center (ESC) is to improve education in Mississippi. More specifically, through the Center's activities, efforts are made to utilize University and local school districts' resources in helping solve educational problems and to promote general improvement in the quality of education in the state. The Center serves as a field services division for the College of Education and Psychology and strives to promote cooperative interaction between the University and the school districts, stimulate the exchange of ideas and successful educational practices, promote cooperative research leading to the solution of problems, disseminate ideas and information, conduct and sponsor workshops and seminars, help arrange for consultative services to the schools, and in general, serve as a cooperative planning and development unit through which the University and the schools can be more effective in serving the educational needs of their constituents.

CENTER FOR COMMUNITY EDUCATION

William Hetrick, Director

Hattiesburg, MS 39406-9336

(601) 266-4578

The Center for Community Education, located in the Department of Educational Leadership and Research, is part of a national network of over fifty cooperating centers, each responsible for promoting Community Education in specific states. Founded in 1974, the Center at the University of Southern Mississippi serves the State of Mississippi through:

1) disseminating information on the Community Education concept through brochures and informational hand-outs, films, slides, and formal presentations;

2) providing advice and technical assistance to community colleges, school districts, communities and individual schools wishing to start Community Education; and

3) providing for training needs. Included herein is the training of professional personnel who administer Community School programs plus in-service training for staff members and community members.

COUNSELING PSYCHOLOGY LABORATORY

Jack L. Daniels, Director

Hattiesburg, MS 39406-5012

(601) 266-4601

The Counseling Psychology Laboratory, a training clinic of the Department of Counseling Psychology and Counselor Education, is designed to assist individuals whose problems fall within the realms of educational planning, vocational or career decision-making, personal-social adjustment, and marriage and family counseling. It serves two purposes: (1) to offer professional service to persons seeking such services; and (2) to provide qualified graduate students the opportunity to observe and apply theoretical concepts.

The Laboratory is available to anyone of any age, students or general public, whose problems fall within the scope of the services outlined above. These services are not restricted to any particular area nor to any particular group.

The staff of the Counseling Psychology Laboratory is composed of members of the teaching faculty of the Department of Counseling Psychology and Counselor Education and graduate students under their supervision. Faculty members are licensed psychologists.

APPLIED GERONTOLOGY EDUCATIONAL SERVICES

W. Lee Pierce, Coordinator

Hattiesburg, MS 39406-5154

(601) 266-4621

The University of Southern Mississippi's Office of Applied Gerontology Education Services exists to coordinate the following University functions in the field of gerontology:

1. Graduate education for professionals.
2. Staff development programs for professionals and paraprofessionals.
3. Consultation and community services.
4. Research.
5. Sensitization of the general public to the status and future of the elderly in the community.

DEPARTMENT OF BUSINESS AND INDUSTRIAL EDUCATION

William B. Burns, Chair

Hattiesburg, MS 39406-5036

(601) 266-4446

Abbott, Boyte, Conerly, Hagler, Lackey, Lanmon, Taylor, Yuen

The Department of Business and Industrial Education offers a curriculum leading to the Bachelor of Science degree with majors available in several areas of study.

The Business Education major offers students a choice of two teacher education emphasis areas: business teacher education and distributive education. Also available through the Business Education program are four non-teaching emphasis areas: administrative support services, bilingual administrative support services, court reporting, and office management.

The Industrial Education component of the Department offers baccalaureate programs in Industrial Technology (non-teaching), Industrial Arts Education, and Industrial and Vocational Education. Students majoring in Industrial and Vocational Education may choose between two emphasis areas: trade and Industrial or technical education.

Through these diversified degree programs, the Department serves a dual role: providing salable skills to students who desire a career in business or industry and training teachers of business and industrial subjects.

In addition to the undergraduate programs, the Department offers graduate programs in both Business Education and Industral and Vocational Education. For a description of programs leading to the master's, specialist's, and doctoral degrees, please consult the GRADUATE BULLETIN.

BUSINESS EDUCATION PROGRAMS

Donna L. Conerly, Coordinator
Hattiesburg, MS 39406-5036
(601) 266-4665

REQUIREMENTS FOR A MAJOR IN BUSINESS EDUCATION

Business Teacher Education Emphasis

Comprehensive Option

Students desiring entry into secondary teacher education programs must successfully complete the COMP (College Outcome Measures Program) Test or the General Knowledge and Communication Skills segments of the NTE (National Teacher Examination) according to guidelines established by the Board of Trustees of State Institutions of Higher Learning.

FRESHMAN YEAR	SEM. HRS.
Select 1 course from: AA 100, ART 130, DAN 107, THE 100, MUS 365	3
BED 102	3
ENG 101, 102	6
FN 167	1
HIS 101, 102	6
Laboratory Science (biological)	4
MAT 101	3
PED 105	1
Select 2 from: PS 101, SOC 101, GHY 101, HSE 101	6
	33

SOPHOMORE YEAR	SEM. HRS.
ACC 201, 202	6
BED 104, 108, 202	7
ECO 255	3
English (Intermediate) 203 and 300, 301 or 332	6
Laboratory Science (physical)	4
MIS 200	3
PSY 110	3
Select 1 from: SCM 111, 305, or 330	3
	35

JUNIOR YEAR	SEM. HRS.
BED 300, 302, 305, 310, 352	15
CIS 313	3
MGT 360	3
PSY 374	3
REF 400, 469	6
SPE 400	3
Mathematics or Science Elective	3
	36

SENIOR YEAR	SEM. HRS.
BED 452, 453, 456, 465, 485	15
CIS 474, 475, 476, 481	17
MKT 300	3
	35
TOTAL:	139

Business Teacher Education Emphasis

Information Processing Option

FRESHMAN YEAR	SEM. HRS.
Select 1 from: AA 100, ART 130, DAN 107, THE 100, MUS 365	3
BED 102, 104, 108	7
ENG 101, 102	6
FN 167	1
HIS 101, 102	6
Laboratory Science (biological)	4
MAT 101	3
PED 105	1
Select 1 from: SCM 111, 305, or 330	3
	34

SOPHOMORE YEAR	SEM. HRS.
ACC 201	3
ECO 255	3
English (Intermediate) 203 and 300, 301 or 332	6
Laboratory Science (physical)	4
Mathematics or Science Elective	3
MIS 200	3
PSY 110	3
Select 2 from: PS 101, SOC 101, GHY 101, HSE 101	6
	31

JUNIOR YEAR	SEM. HRS.
BED 302, 352, 362, 460	12
CIS 313	3
MIS 300	3
MKT 300	3
PSY 374	3
REF 400, 469	6
SPE 400	3
	33

SENIOR YEAR	SEM. HRS.
BED 450, 452, 453, 456, 465, 485	18
CIS 474, 475, 476, 481	17
	35
TOTAL:	133

Distributive Education Emphasis

FRESHMAN YEAR	SEM. HRS.
Select 1 course from: AA 100, ART 130, DAN 107, THE 100, MUS 365	3
ENG 101, 102	6
FN 167	1
HIS 101, 102	6
Laboratory Science (1 physical, 1 biological)	8
MAT 101	3
PED 105	1
PSY 110	3
	31

SOPHOMORE YEAR	SEM. HRS.
ACC 201	3
BED 101 or 102, 104, 108	7
ECO 255	3
English (Intermediate) 203 and 300, 301 or 332	6
GBA 295	3
Mathematics or Science Elective	3
Select 2 from: PS 101, SOC 101, GHY 101, HSE 101	6
Select 1 from: SCM 111, 305, or 330	3
	34

JUNIOR YEAR	SEM. HRS.
BED 302, 452, 454	9
CIS 313	3
MIS 200	3
MKT 300, 330	6
PSY 374	3
REF 400, 469	6
SPE 400	3
	33

SENIOR YEAR	SEM. HRS.
BED 454,455	6
CIS 474, 475, 476, 481	17
MGT 360 or 454, 364	6
MKT 342, 355	6
	35
TOTAL:	133

Office Management Emphasis*

FRESHMAN YEAR	SEM. HRS.
Select 1 course from AA 100, ART 130, DAN 107, THE 100, MUS 365	3
BED 102	3
ENG 101, 102	6
FN 167	1
HIS 101, 102	6
Laboratory Science (1 physical, 1 biological)	8
PED 105	1
PSY 110	3
	31

SOPHOMORE YEAR	SEM. HRS.
ACC 201, 202	6
BED 104, 108, 200	7
ECO 255	3
English (Intermediate) 203 and 300, 301 or 332	6
MAT 101	3
Select 2 courses from: SOC 101, GHY 101, PS 101, HSE 101	6
Select 1 course from: SCM 111, 305, or 330	3
	34

JUNIOR YEAR	SEM. HRS.
BED 300, 302, 310, 352, 362	15
Electives	6
GBA 295	3
Mathematics or Science Elective	3
MGT 360	3
MIS 200	3
	33

SENIOR YEAR	SEM. HRS.
BED 450, 460, 480, 485	12
Electives	6
MGT 364, 454, 468	9
MIS 300	3
	30
TOTAL:	128

*Electives cannot be chosen from courses offered in the College of Business Administration.

Bilingual Administrative Support Services Emphasis

FRESHMAN YEAR	SEM. HRS.
Select 1 course from: AA 100, ART 130, DAN 107, THE 100, MUS 365	3
ANT 101	3
BED 102	3
ENG 101, 102	6
FN 167	1
Foreign Language	6
Laboratory Science (1 physical, 1 biological)	8
MAT 101	3
PED 105	1
PSY 110	3
	37

SOPHOMORE YEAR	SEM. HRS.
BED 104, 108, 200, 202	10
ECO 255	3
English (Intermediate) 203 and 300, 301 or 332	6
Foreign Language	6
GHY 101	3
HIS 101, 102	6
Select 1 course from: SCM 111, 305, or 330	3
	37

JUNIOR YEAR	SEM. HRS.
ACC 201, 202	6
BED 300, 302, 305, 310, 352	15
Elective	3
Foreign Language	6
GBA 295	3
MGT 360	3
MIS 200	3
	39

SENIOR YEAR	SEM. HRS.
BED 362, 450, 460, 480, 485	15
Elective	3
Foreign Language	9
Mathematics or Science Elective	3
MGT 454	3
MIS 300,	3
	36
TOTAL:	149

Administrative Support Services Emphasis

FRESHMAN YEAR	SEM. HRS.
Select 1 course from: AA 100, ART 130, DAN 107, THE 100, MUS 365	3
BED 102	3
ENG 101, 102	6
FN 167	1
HIS 101	3
Laboratory Science (biological)	4
MAT 101	3
PED 105	1
Select 2 courses from: PS 101, SOC 101, GHY 101, ANT 101, HSE 101	6
	30

SOPHOMORE YEAR	SEM. HRS.
ACC 201, 202	6
BED 104, 108, 200, 202	10
English (Intermediate) 203 and 300, 301 or 332	6
HIS 102	3
Laboratory Science (physical)	4
PSY 110	3
Select 1 course from: SCM 111, 305, or 330	3
	35

JUNIOR YEAR	SEM. HRS.
BED 300, 305, 310, 352	12
BED 302	3
ECO 255	3
GBA 295	3
Mathematics or Science Elective	3
MGT 360	3
MIS 200	3
Electives	3
	33

SENIOR YEAR	SEM. HRS.
BED 362, 450, 460, 480, 485	15
Directed Electives	6
MGT 454	3
MIS 300	3
MKT 300	3
	30
TOTAL:	128

Court Reporting Emphasis*

FRESHMAN YEAR	SEM. HRS.
Select 1 course from: AA 100, ART 130, DAN 107, THE 100, MUS 365	3
BED 102, 310,	6
ENG 101, 102	6
FN 167	1
HIS 101, 102	6
MAT 101	3
PED 105	1
PS 101	3
PSY 110	3
	32

SOPHOMORE YEAR	SEM. HRS.
BED 104, 108, 199, 200, 202, 305	17
BSC 250, 251	8
English (Intermediate) 203, 300 or 301	6
FS 104	3
SOC 101	3
	37

JUNIOR YEAR	SEM. HRS.
ACC 201	3
BED 404, 472, 490	9
CJ 200, 330, 331	9
ECO 255	3
GBA 295	3
MIS 200	3
SCM 305 or 320	3
	33

SENIOR YEAR	SEM. HRS.
BED 460, 475, 477, 478, 485	15
BED 492 (Internship)	3
CJ 463	3
PS 380	3
REI 340	3
	27
TOTAL:	129

*Because of sequencing of machine shorthand courses, a student must attend summer sessions following his/her sophomore and junior years.

INDUSTRIAL EDUCATION PROGRAMS

William B. Burns, Chair
Hattiesburg, MS 39406-5036
(601) 266-4446

REQUIREMENTS FOR A MAJOR IN INDUSTRIAL TECHNOLOGY

(Non-Teaching Degree)

A major in Industrial Technology provides the student with concentrated study and direct experience with industrial machines, materials, processes, and power. This emphasis, when combined with an appropriate minor or electives, prepares the non-teaching major for a managerial, supervisory, or technical career in industry.

FRESHMAN YEAR	SEM. HRS.
AA 100	3
CSS 100	3
ENG 101, 102	6
FS 105	3
HIS 101, 102	6
MAT 101	3
PED 105	1
PS 101	3
PSY 110	3
SCM 111	3
	34

SOPHOMORE YEAR	SEM. HRS.
CHE 104, 104L	4
ECO 255	3
ENG 203, 333	6
FN 167	1
GHY 102	3
INT 250 or IVE 350	3
IVE 323, 324	6
MAT 133	3
PHY 105, 105L	4
	33

JUNIOR YEAR	SEM. HRS.
ECO 301	3
IVE 301, 302, 315, 316, 331, 332, 333, 360, 362	27
MGT 360	3
	33

SENIOR YEAR	SEM. HRS.
IVE 303, 318, 364, 437, 462, 482	18
MET 420	3
MGT 364, 464, 465, 472	12
	33
TOTAL:	133

NOTE: The program outlined above reflects a minor in industrial management. The student's choice of an alternate plan should be determined by his or her career goals and in consultation with the Chair of the Department of Business and Industrial Education.

REQUIREMENTS FOR A MINOR IN INDUSTRIAL TECHNOLOGY

All students pursuing a minor in this area must complete twenty-four (24) semester hours of IVE courses. Suggested courses to meet this requirement are as follows:

IVE 301, 302, 323, 324 or 350, 331, 333, 360, 362 24

REQUIREMENTS FOR A MAJOR IN INDUSTRIAL ARTS EDUCATION

A major in Industrial Arts Education prepares the student to teach that phase of secondary education which serves to familiarize junior and senior high school students with their industrial and technological environment.

Students desiring entry into secondary teacher education programs must successfully complete the COMP (College Outcome Measures Program) Test or the General Knowledge and Communication Skills segments of the NTE (National Teacher Examination) according to guidelines established by the Board of Trustees of State Institutions of Higher Learning.

This program includes the University's graduation requirements and state certification requirements. The student automatically minors in secondary education.

FRESHMAN YEAR	SEM. HRS.
AA 100	3
BSC 103, 103L	4
CHE 104, 104L	4
ECO 255	3
ENG 101, 102	6
HIS 101	3
MAT 101	3
PED 105	1
PSY 110	3
SOC 101	3
	33

SOPHOMORE YEAR	SEM. HRS.
CSS 100	3
ENG 203, 333	6
FN 167	1
FS 104 or 105	3
HIS 102	3
IVE 116	3
IVE 323, 324 or 350	6
PS 101	3
SCM 111, 305, or 330	3
	31

JUNIOR YEAR	SEM. HRS.
IVE 301, 302, 331, 332, 333, 360, 362, 364	24
PSY 374	3
REF 400, 469	6
SPE 400	3
	36

SENIOR YEAR	SEM. HRS.
CIS 453, 474, 475	5
CIS 476, 483	15
IVE 315, 316	6
IVE 401, 480	6
	32
TOTAL:	132

REQUIREMENTS FOR A MINOR IN INDUSTRIAL ARTS EDUCATION

All students pursuing a minor in this area must complete thirty (30) hours in the following IVE courses:

	Hours
IVE 116, 301, 302, 323, 324 or 350 331, 333, 360, 362 or 361, 401	30

REQUIREMENTS FOR A MAJOR IN INDUSTRIAL AND VOCATIONAL EDUCATION

A major in Industrial and Vocational Education, with an emphasis in one of the following areas, prepares the student to teach a previously acquired vocational or technical skill at the secondary or post-secondary level. A minimum of two years' work experience in a trade or technical area is required for state certification.

FRESHMAN YEAR	SEM. HRS.
AA 100	3
BSC 103, 103L	4
ENG 101, 102	6
HIS 101	3
IVE Skill Courses	6
MAT 101	3
PED 105	1
PSY 110	3
SOC 101	3
	32

SOPHOMORE YEAR	SEM. HRS.
CHE 104, 104L	4
ECO 255	3
ENG 203, 333	6
FN 167	1
FS 104 or 105	3
HIS 102	3
IVE Skill Courses	6
PS 101	3
SCM 111, 305, or 330	3
	32

JUNIOR YEAR	SEM. HRS.
ADE 476	3
Electives	3
IVE 401, 403, 431, 436, 437	15
IVE Skill Courses	12
	33

SENIOR YEAR	SEM. HRS.
Electives	7
IVE 435, 480, 481, 482	12
IVE 495	9
PSY 374	3
	31
TOTAL:	128

Technical Education Emphasis

FRESHMAN YEAR	SEM. HRS.
AA 100	3
CHE 104, 104L	4
ECO 255	3
ENG 101, 102	6
IVE Skill Courses	6
MAT 101	3
PED 105	1
PSY 110	3
SOC 101	3
	32

SOPHOMORE YEAR	SEM. HRS.
ENG 203	3
FN 167	1
HIS 101, 102	6
IVE Skill Courses	6
MAT 133	3
PHY 105, 105L	4
PHY 106, 106L	4
PS 101	3
SCM 111, 305, or 330	3
	33

JUNIOR YEAR	SEM. HRS.
ENG 333	3
IVE 323, 324 or 350	6
IVE 401, 403, 431, 436	12
IVE Skill Courses	12
	33

SENIOR YEAR	SEM. HRS.
Elective	3
IVE 435, 437, 480, 481, 482	15
IVE 494 or 495	9
PSY 374	3
	30
TOTAL:	128

DEPARTMENT OF COUNSELING PSYCHOLOGY AND COUNSELOR EDUCATION

John D. Alcorn, Chair
Hattiesburg, MS 39406-5012
(601) 266-4602

Burch, Culberson, J. Daniels, Durkee, Gutsch, Harris, Hollandsworth, E. Holloway, Probst, Randolph, Shafer, Verones, Wagner

The Department of Counseling Psychology and Counselor Education offers both graduate and undergraduate programs. At the graduate level, separate curricula are offered to prepare students for positions in elementary and secondary school, college, and community agency settings. See the **Graduate Bulletin** for course patterns of each curriculum. The department offers work leading to the Master of Education degree in Counseling and Personnel Services; the Master of Science degree in Counseling Psychology; and the specialist degree in Counseling and Guidance. An APA-approved doctoral program is offered in Counseling Psychology. The course pattern included in the Master of Education program in Counseling and Personnel Services will meet Mississippi State Department of Education requirements for AA certification as a school counselor.

At the undergraduate level, a student may earn the Bachelor of Science degree in Social and Rehabilitation Services. This interdepartmental major includes forty-two (42) semester hours in Social and Rehabilitation Services courses (CPY), nine (9) semester hours in Psychology, and nine (9) semester hours in related curricular track courses. In addition, fifty-two (52) hours of core courses and eighteen (18) hours of electives are required to complete the 130 hours for graduation. Five (5) curricular tracks are identified which relate to individual vocational objectives, including Pre-Professional Counseling Psychology, Mental Health/Human Services, Vocational Rehabilitation/Evaluation, Case Management/Casework and General.

A minor may be chosen in a related area, in which case, courses included under the inter-departmental major may be used in the minor area. It is necessary to include at least eighteen (18) hours in such a minor. A minor, however, is not required.

CURRICULUM SEQUENCE FOR A MAJOR IN SOCIAL AND REHABILITATION SERVICES

FRESHMAN YEAR	SEM. HRS.
CPY 101	3
ENG 101, 102	6
HIS 101, 102	6
Laboratory Science (biological)	4
MAT 101	3
PED 105	1
PSY 110	3
SCM 111	3
Social Science Elective	3
	32

SOPHOMORE YEAR	SEM. HRS.
CPY 210	3
Electives	3
English Elective	3
Fine Arts	3
FN 167	1
Laboratory Science (physical)	4
Mathematics or Science Elective	3
Social Science Elective	3
Related Track Courses	6
World Literature	3
	32

JUNIOR YEAR	SEM. HRS.
CPY 311, 312, 313, 361	12
Electives	6
PSY 251 or 310, 375	6
Social Science Elective	3
Related Track Courses	3
Select one course from:	
CPY 413, 415, 423, 435, 436	3
	33

SENIOR YEAR	SEM. HRS.
CPY 430, 431	6
CPY 462, 463	6
Electives	9
PSY 436	3
Select 3 courses from:	
CPY 413, 423, 425, 432, 433, 435, 436, 497	9
	33

TOTAL: 130

DEPARTMENT OF CURRICULUM AND INSTRUCTION

Mildred E. Kersh, Chair
Hattiesburg, MS 39406-5057
(601) 266-4547

Bobby D. Moore, Coordinator, Elementary Education
Reed R. Mottley, Coordinator, Secondary Education
Herschel Q. Peddicord, Coordinator, Graduate Education
F. Anderson, Carmichael, J.C. Davis, Evans, Grace, Holder, S.E. Johnson, Masztal, Palmer, Purvis, C. Reed, Reeves-Kazelskis, Richmond, Schnur.

Serving as the coordinating agency within the University for the training and preparation of elementary and secondary teachers, the Department of Curriculum and Instruction provides undergraduate work for both preservice and inservice teachers. A description of the undergraduate programs in elementary and secondary education follows. Please consult the **Graduate Bulletin** for a description of the programs leading to master's, specialist's, and doctoral degrees.

ELEMENTARY EDUCATION

(K-8)

Students pursuing an undergraduate degree with a major in Elementary Education will attain a provisional elementary teacher's certificate (kindergarten through grade eight). Areas of emphasis for the Elementary Major are available. For specifics concerning these emphases, the student should consult an elementary education adviser.

Additional endorsements to the provisional elementary teacher's certificate (K-8) are available and include computer education, driver education, gifted education, and remedial reading. For course requirements for these endorsements, the student should contact the Coordinator of Undergraduate Elementary Education.

Admission to Elementary Teacher Education Program

Students desiring to major in Elementary Education must meet the following requirements before being admitted to the program.

1. Attain at least a **C** average for the 6 hours of English composition required.
2. Attain the prescribed minimum score on the Elementary Math Placement Test.
3. Complete the College of Education and Psychology's General Education Requirements (52 hours).
4. Attain a minimum grade point average of 2.5 (on a 4.0 scale) based on the 44 hours of general education identified on page 101.
5. Attain the minimum scores set by the Mississippi State Department of Education on the Communications Skills and General Knowledge sub-tests of the National Teacher Examination. This test should be taken during the last term before completing the 44 hours of general education identified on page 101.
6. Complete a minimum of twenty (20) clock hours of recent observation in an elementary classroom approved for observation.
7. Meet with the assigned adviser and complete a program plan.

For a more detailed explanation of the above requirements, the student should see his/her assigned adviser or the Coordinator of Undergraduate Elementary Education.

REQUIREMENTS FOR A MAJOR IN ELEMENTARY EDUCATION

FRESHMAN YEAR	SEM. HRS.
ENG 101 and 102	6
FS 133	3
FS 133-L	1
HIS 101 and 102	6
HSE 101	3
MAT 101 and 210	6
PED 105	1
PSY 110/110L	3
SCM, 111, 305, or 330	3
	32

SOPHOMORE YEAR	SEM. HRS.
ARE 309	3
ENG 203	3
ENG 301	3
PSY 370	3
Fine Arts (AA 100, ART 130, DAN 107, MUS 365, or THE 100)	3
FN 167	1
FS 131 and 131L	4
FS 132/132L or 134/134L	4
MED 361	3
Social Science Electives*	6
	33

JUNIOR YEAR	SEM. HRS.
CIE 300, 301, 306, 309, 317 and 407	18
PED 320 or 321	3
PSY 374**	3
REF 400**, 416 and 469**	9
SPE 400**	3
	36

SENIOR YEAR	SEM. HRS.
CIE 305, 343, 403, and 412	13
CIE 474**, 475** and 476**	5
CIE 480** or 482**	12
SCE 432	3
	33
TOTAL:	134

*To be chosen from the following with no more than 3 hours from any one discipline: ANT 101, 221; GHY 101, 102; PS 101, 220; SOC 101, 240, 314.

These courses comprise the **new Professional Teacher Education Core which will be required for students completing degree requirements on or after April 1, 1988. Students may not enroll for any of these courses until they have met the requirements for admission to the elementary education program. See the section entitled **Admission to the Elementary Teacher Education Program** in this **Bulletin**.

SECONDARY TEACHER EDUCATION PROGRAMS

(Grades 7-12)

Students seeking an undergraduate degree with certification to teach at the secondary-school level (Grades 7-12) may choose one of three degree program options as follows.

Plan I: **Academic Major with a Secondary Education Minor**

Plan II: **Secondary Education Major with an Academic Major**

Plan III: **Secondary Education Major with Dual Teacher Certification**

Regardless of the plan chosen, the student must: (1) complete the prescribed general education requirements of the appropriate school and/or college, (2) be admitted to a secondary teacher education program, (3) complete the requirements for the Secondary Education minor or major, (4) complete the requirements for an academic major or two teacher certification areas, and (5) complete any necessary elective requirements.

General Education Requirements

All students seeking undergraduate teacher certification at the secondary-school level must complete the general education requirements of the College of Education and Psychology. A student choosing to receive an undergraduate degree from a school or college other than the College of Education and Psychology must also satisfy the general education requirements of that school or college.

Admission to Secondary Education Programs

Students pursuing undergraduate degrees with secondary teacher certification must satisfy the following requirements to be admitted to a program in secondary education.

1. Complete the College of Education and Psychology's General Education Requirements (52 hours).
2. Attain a minimum grade point average of 2.5 (on a 4.0 scale) based on the 44 hours of general education identified on page 101.
3. Attain at least a **C** average for the 6 hours of English composition required.
4. Pass the **College Outcomes Measures Program** (COMP) test according to standards set by the Board of Trustees of State Institutions of Higher Learning. This test should be taken prior to the completion of the sophomore year.
5. Complete and present a program plan to the coordinator of Undergraduate Secondary Education for approval.

For more detailed explanation of the above requirements and the process of completing and filing a program plan, the student should contact the designated education adviser in the department of his/her major or the Coordinator of Undergraduate Secondary Education in the Department of Curriculum and Instruction.

Requirements For An Academic Major

Students who choose either of the two secondary teacher education program plans which require an academic major must meet all of the course and related requirements of the major selected. For specific requirements for a given major, the student should refer to the appropriate section of this **Bulletin** under the department offering the major.

Academic majors (to include associated emphasis areas) which provide for certification in the various teaching fields at the secondary-school level are:

English
Foreign Languages
History
Industrial Arts
Journalism
Mathematics
Science Education
Social Studies
Speech Communication

Requirements For A Minor In Secondary Education

Regardless of their selections of an applicable **Bulletin** in meeting degree requirements, all students pursuing undergraduate degrees with secondary teacher certification (Grades 7-12) must satisfy the requirements of the College of Education and Psychology's 32-hour **Professional Teacher Education Core.** Courses which serve as the student's Secondary Education minor and meet the new professional education course and hour requirements are: **Basic Core** - REF 400 (Public Education in the United States), PSY 374 (Educational Psychology), SPE 400 (The Psychology and Education of the Exceptional Child), REF 469 (Tests and Measurements); **Advanced Core** - CIS 474 (Contemporary Education Reform), CIS 475 (Assessment of Teaching), CIS 451-465 (a methods course in the student's academic area); **Student Teaching Core*** - CIE 479-494 (student teaching in the student's academic area), CIS 476 (Professional Development Seminar).

*For information concerning the various requirements for student teaching, see the section entitled SPECIAL SCHOOL SERVICES under the College of Education and Psychology division of this **Bulletin.**

Students may not enroll for any of the Secondary Education minor courses until they have met all requirements for and have been admitted to a program in teacher education.

Requirements For A Major In Secondary Education

Courses required for the Secondary Education minor plus CIS 313 (Principles of Teaching High School) constitute the Secondary Education major. Students who plan to teach at the secondary-school level are encouraged to select a degree program which requires the Secondary Education major. Principles of Teaching High School focuses on the basic or generic methods of teaching and serves as an important knowledge base for the more specialized methods course required in the student's academic area in meeting the new Professional Teacher Education Core requirements.

DUAL TEACHER CERTIFICATION

In the interest of intellectual breadth in undergraduate education and employment flexibility, students pursuing undergraduate degrees with secondary teacher certification are encouraged to obtain dual certification which may be accomplished by: (1) completing two academic majors in either **Plan I** or **Plan II,** (2) completing **Plan III** which provides for dual certification, or (3) completing **Plan I** and **II.** Add-on endorsements are available to enhance an initial teaching certification area. For a description of the program components for the three degree plans above, see the two introductory paragraphs to SECONDARY TEACHER EDUCATION PROGRAMS in this section of the **Bulletin.**

Secondary Education Major: Dual Certification

Academic and discipline fields that may be used in combination in meeting dual teacher certification requirements under **Plan III** include the following:

Art
Business and Office Education
English
Foreign Language*
Health and Physical Education
Home Economics
Industrial Arts
Journalism
Mathematics
Media-Librarian
Music Education
Science**
Social Studies
Speech Communication

*Foreign language certification options include French, German, Latin, and Spanish
**Science certification options include life science/general science, chemistry/physics/general science, and general science.

Students who desire dual certification under **Plan III** should contact the Coordinator of Undergraduate Secondary Education in the Department of Curriculum and Instruction for course and other related requirements for the various academic and discipline fields shown above.

Requirements for Additional Endorsements

Mississippi's standards for teacher and administrator certification provide for endorsements to standard teaching certificates. These endorsement areas require less extensive training than that required for standard teaching certificates. Endorsement areas include computer education, driver education, gifted education, and remedial reading.

Students pursuing undergraduate degrees with secondary teacher certification are encouraged to take the additional courses necessary to qualify for endorsement in one or more of these areas. For specific course requirements, the student should contact the education adviser in the department related to the endorsement area or the Coordinator of Undergraduate Secondary Education in the Department of Curriculum and Instruction.

SPECIAL AREA TEACHER EDUCATION PROGRAMS

(K-12)

Students pursuing undergraduate degrees with special area teacher certification (Grades K-12) must: (1) complete the prescribed general education requirements of the appropriate school and/or college, (2) be admitted to the special area teacher education program, (3) complete the requirements of the 32-hour **Professional Teacher Education Core,** (4) complete the requirements for a major associated with a special area of teacher certification, and (5) complete any necessary elective requirements.

General Education Requirements

All students seeking undergraduate special area teacher certification must complete the general education requirements of the College of Education and Psychology. A student receiving an undergraduate degree from a school or college other than the College of Education and Psychology must also satisfy the general education requirements of that school or college.

Admission to Special Area Education Programs

Students pursuing undergraduate degrees with special area teacher certification must satisfy the following requirements to be admitted to a program in special area education.

1. Complete the College of Education and Psychology's General Education Requirements (52 hours).
2. Attain a minimum grade point average of 2.5 (on a 4.0 scale) based on the 44 hours of general education identified on page 101.
3. Attain at least a **C** average for the 6 hours of English composition required.
4. Pass an admissions test according to the standards set by the Board of Trustees of State Institutions of Higher Learning. This test should be taken prior to the completion of the sophomore year.
5. Complete and present a program plan to the certification specialist for approval.

For a more detailed explanation of the above requirements and the process of completing and filing a program plan, the student should contact the designated education adviser in the department of his/her major.

Professional Teacher Education Core Requirements

Regardless of their selection of an applicable **Bulletin** in meeting degree requirements, all students pursuing undergraduate degrees with special area teacher certification (Grades K-12) must satisfy the requirements of the College of Education and Psychology's 32-hour **Professional Teacher Education Core.** Courses comprising this professional education component are: **Basic Core -** REF 400 (Public Education in the United States), PSY 374 (Educational Psychology), SPE 400 (The Psychology and Education of the Exceptional Child), REF 469 (Tests and Measurements), **Advanced Core -** CIS 474 (Contemporary Educational Reform), CIS 475 (Assessment of Teaching), CIS 451-465 (a methods course in the student's academic area); **Student Teaching Core*** - CIS 479-494 (student teaching in the student's academic area), CIS 476 (Professional Development Seminar).

*For information concerning the various requirements for student teaching, see the section entitled SPECIAL SCHOOL SERVICES under the College of Education and Psychology division of this **Bulletin.**

Students may not enroll for any of the **Professional Teacher Education Core** courses until they have met all requirements for and have been admitted to a program in special area teacher education.

REQUIREMENTS FOR A MAJOR IN A SPECIAL AREA

Majors (to include associated emphasis area) offered by the various colleges and schools of the University which provide for certification in the various special area teaching fields are:

Art
Education of the Deaf
Library Science
Health Education
Physical Education
Music Education
Special Education

For specific course and related requirements for a major associated with a special area of teacher certification, the student should refer to the appropriate section of this **Bulletin** under the department offering the major.

DEPARTMENT OF EDUCATIONAL LEADERSHIP AND RESEARCH

Edgar H. Bedenbaugh, Chair
Hattiesburg, MS 39406-5027
(601) 266-4579

B. Anderson, C. Davidson, Elias, W. Ferguson, Ginn, Gore, Hetrick, J. Holloway, Kazelskis, Knight, B. Lee, Leonard, A. Lucas, Manly, P. Peddicord, Pierce, Rachal, M. Smith, Southerland, C. Ward, S. Weatherford, H.S. Williams

The Educational Administration and Supervision component of the Department of Educational Leadership and Research offers programs for the preparation of administrators for the public schools and colleges and for teachers of educational administration. These preparation programs are offered only at the graduate level and lead to the master's degree, the sixth year specialist's degree, and the doctoral degree. For a description of these programs, consult the **Graduate Bulletin.**

The Research and Foundations components of the Department of Educational Leadership and Research provide supportive services in teacher education. At the undergraduate level, these services include Educational Foundations and at the graduate level, Educational Foundations, and Research Training.

The Adult Education component of the Department of Educational Leadership and Research offers graduate programs for persons who work with adult learners in a wide variety of settings. Programs are provided which lead to the master's, specialist's, and doctoral degrees. For descriptions of these programs, please consult the **Graduate Bulletin.**

Some courses are offered at the undergraduate level to support degree programs in other departments and as staff training for agencies that employ persons at the baccalaureate level or below to work with adult learners.

DEPARTMENT OF PSYCHOLOGY

Charles D. Noblin, Chair
Hattiesburg, MS 39406-5025
(601) 266-4604

Allen, H. Anderson, Clemons, Dawson, Dickson, R. Edwards, Faulkender, Gaddis, Gates, Goggin, E. Gurman, Hailey, Harsh, L. Hildman, Holliman, G.E. Jones, Koeppel, Lowe, Ozerden, Range, D. Sisemore, Tingstrom, Wesley

The Department of Psychology offers programs-of-study leading to undergraduate degrees (BA or BS) with emphasis areas in Pre-Professional Psychology and General Psychology, and graduate degrees (MA, MS, PhD) with emphasis areas in clinical, general-experimental, school, and industrial/organizational psychology (see the **Graduate Bulletin**). The doctoral programs in clinical psychology and in school psychology are fully accredited by the American Psychological Association.

The undergraduate track in Pre-Professional Psychology is designed for the student who plans to attend graduate school in any of the major areas of psychology. The undergraduate track in General Psychology allows somewhat more flexibility in allowing the student to design an individualized program-of-study to meet other specific career goals.

Both the Pre-Professional Psychology and the General Psychology undergraduate tracks may be used in preparation for advanced degrees in other professions (e.g., law, medicine, dentistry, physical and occupational therapy, optometry, business administration and management, social work). Students planning to use psychology as their undergraduate major in preparation for graduate or professional studies in other disciplines should consult the appropriate pre-professional adviser in order to help ensure that the program-of-study selected (e.g., electives, minor) is fully coordinated with the entrance requirements of the graduate or professional school to which they plan to make application.

The student wishing to major in Psychology must complete twenty-seven (27) semester hours of coursework in the Department of Psychology. To receive the Bachelor of Arts degree, a student must also complete nine (9) hours of a foreign language. No foreign language is required for the Bachelor of Science degree.

The Department sponsors a chapter of Psi Chi, the national Psychology honor society, and maintains an Undergraduate Information Center which is staffed from 8:00 AM until 5:00 PM weekdays and which provides detailed information and other resources pertaining to the Psychology major and minor, representative course syllabi, descriptions of research opportunities for undergraduates, and career information.

REQUIREMENTS FOR A MAJOR IN PSYCHOLOGY

FRESHMAN YEAR	SEM. HRS.
ENG 101, 102	6
FN 167	1
HIS 101, 102	6
Laboratory Science	8
MAT 101	3
PED 105	1
PSY 110	3
SCM 111	3
	31

SOPHOMORE YEAR	SEM. HRS.
ENG 203	3
English (200 level or above)	3
Fine Arts	3
Mathematics or Science Elective	3
PSY 310	3
Social Science Electives	9
Electives	10
	34

General Emphasis

JUNIOR YEAR	SEM. HRS.
PSY 360, 320	6
Psychology Electives	6
Minor or Electives	9
Electives	12
	33

SENIOR YEAR	SEM. HRS.
PSY 418	3
Psychology Electives	6
Minor or Electives	9
Electives	12
	30
TOTAL:	128

Pre-Professional Emphasis

JUNIOR YEAR	SEM. HRS.
PSY 320, 360, 422	9
Psychology Elective	3
Minor or Electives	9
Electives	12
	33

SENIOR YEAR	SEM. HRS.
PSY 418, 426, 436 or 455	9
Minor or Electives	9
Electives	12
	30
TOTAL:	128

PSYCHOLOGY AS A MINOR

The recommended undergraduate Psychology minor consists of the following courses:

	SEM. HRS.
PSY 110	3
PSY 360	3
PSY courses numbered 300 or above	12
	18

DEPARTMENT OF SCIENCE EDUCATION

Including Fundamentals of Science

Bobby N. Irby, Chair
Hattiesburg, MS 39406-5087
(601) 266-4739

The Department of Science Education is operated jointly by the College of Science and Technology and the College of Education and Psychology. The facilities are in the College of Science and Technology. Programs in teacher education are in the College of Education and Psychology. Responsibility for the curriculum is shared jointly. Please check this department's offerings in the College of Science and Technology section.

DEPARTMENT OF SPECIAL EDUCATION

James E. Whorton, Chair
Hattiesburg, MS 39406-5115
(601) 266-5236

Dennis, Gaar, Jackson, Karnes, Plue, J.A. Siders, J.Z. Siders, Stremel-Campbell, Wisniewski

The University of Southern Mississippi prepares individuals to teach in several areas of exceptionality. Emphasis areas are available in Mental Retardation and Specific Learning Disabilities which lead toward certification in the Educationally Handicapped in the State of Mississippi. All majors are encouraged to seek advice about their program from faculty advisers.

Students desiring entry into teacher education programs must successfully complete an admissions examination according to guidelines established by the Board of Trustees of State Institutions of Higher Learning.

Students wishing to major in Special Education should follow the program outlined below.

REQUIREMENTS FOR A MAJOR IN SPECIAL EDUCATION

(K - 12)

FRESHMAN YEAR	SEM. HRS.
AA 100	3
ENG 101, 102	6
FN 167	1
HIS 101, 102	6
*Laboratory Science	8
PED 105	1
PSY 110	3
SCM 111, 305, or 330	3
	31

SOPHOMORE YEAR	SEM. HRS.
ENG 200, 201, 202, 205, 350, 351, 370, or 371	3
ENG 203	3
MAT 101	3
Mathematics or Science Elective	3
SPE 200, 201, 202	3
SPE Major Electives	9
**Social or Behavioral Science Electives	9
	33

*Students must take one physical science and one biological science course as part of their science sequence.
**With no more than 3 hrs. from any one area; anthropology, economics, geography, political science, psychology, or sociology.

JUNIOR YEAR	SEM. HRS.
PSY 374	3
REF 400, 469	6
SPE 400, 401, 405, 411, 430, 431, 432, 440, 450	27
	36

SENIOR YEAR	SEM. HRS.
CIE 474, 475, 476	5
SPE 402, 441, 442, 451, 470, 481	27
	32
TOTAL:	132

COLLEGE OF HEALTH AND HUMAN SCIENCES
ACADEMIC OFFERINGS
1989-90

School/Program	Major	Degree**
SCHOOL OF HEALTH, PHYSICAL EDUCATION AND RECREATION		
	COACHING AND SPORTS ADMINISTRATION*	BS
	Athletic Training/Teaching Emphasis	
	Athletic Training/Non-teaching Emphasis	
	Professional Emphasis	
	Teaching and Coaching Emphasis	
	HEALTH EDUCATION	
	Community Health Education Emphasis	
	School Health Education Emphasis	
	PHYSICAL EDUCATION*	
	Corrective Therapy Emphasis	
	Exercise Science Emphasis	
	Teacher Certification Emphasis	
	RECREATION*	
	Outdoor Recreation and Park Management Emphasis	
	Recreation Programs and Leadership Emphasis	
	Therapeutic Recreation Emphasis	
SCHOOL OF HOME ECONOMICS		
	CLOTHING MERCHANDISING*	BS
	CLOTHING AND TEXTILES*	BS
	Fashion Design and Construction Emphasis	
	Textiles Management and Production Emphasis	
	DIETETICS	BS
	Academic Program in Dietetics	
	Coordinated Program in Dietetics	
	Food and Nutrition*	
	FAMILY LIFE STUDIES*	BS
	Child Development Emphasis	
	Child Life Emphasis	
	Family Relations Emphasis	
	HOME ECONOMICS	BS
	Home Economics Education Emphasis	
	Home Economics in Business Emphasis	
	INTERIOR DESIGN	BS
HOTEL/RESTAURANT/TOURISM (P)* **		
	HOTEL AND RESTAURANT ADMINISTRATION*	BS
	Tourism Emphasis*	
SCHOOL OF NURSING		
	NURSING	BS
SCHOOL OF SOCIAL WORK		
	SOCIAL WORK****	

*Minor Available

**Degree Abbreviations: (BS) Bachelor of Science

***Program (P)

****BSW Program under development; BS/BA in Sociology with emphasis in Social Work currently administered by School of Social Work

COLLEGE OF HEALTH AND HUMAN SCIENCES

Allison A. Yates, Dean
Mark W. Maneval, Assistant Dean
Hattiesburg, MS 39406-0075
(601) 266-5253

The mission of the College of Health and Human Sciences is to prepare individuals to engage in applied arts and human sciences that enhance the quality of life for individuals, groups, families, organizations and communities. The College focuses on seeking solutions to societal problems. This mission is accomplished through teaching, service and research.

Through classroom teaching, the academic foundations presented in the professional and applied programs of the College are enhanced in order that students upon graduation may improve upon the complex and dynamic human needs within the state, region and nation.

A strong service function is imperative to the professional dimension of the College. To this end, faculty, staff and students are committed in meeting the service requisites mandated by the university, community, state, region and nation.

Research endeavors of the College of Health and Human Sciences are designed to discover, extend and promulgate knowledge of human needs, development and performance across the life span. Thus the College faculty are committed to the research and publishing process. This commitment advances inquiry into the nature of the human experience which in turn strengthens the teaching and service components of the entire College.

ORGANIZATION AND ADMINISTRATION

Dean's Office

The Dean is the chief administrative officer of the College of Health and Human Sciences and is responsible for its operation. In the Dean's Office, the Assistant Dean coordinates scheduling, the college catalog, adjunct faculty coordination and undergraduate and graduate academic concerns.

Administrative Units

The administrative offices that report to the Dean's Office include Tourism, Community Health, Research and Faculty Development, Student Services, Fiscal and Physical Facilities, and four academic schools.

The academic schools of the College of Health and Human Sciences include the School of Health, Physical Education and Recreation, the School of Home Economics, the School of Nursing, and the School of Social Work. Additionally, the program in Hotel and Restaurant Administration is coordinated by the Director of Tourism and reports administratively to the Dean of the College.

Each school offers undergraduate and graduate academic offerings designed to meet the challenges of the College's mission statement. Each academic area is responsible for maintaining its associated student files for academic advisement of its majors. Since curricular requirements vary for each major, students desiring degrees from the College of Health and Human Sciences should follow the courses outlined under each unit. Detailed information on individual curricula of the four schools follows.

The offices of Tourism and Community Health have been created to fill the void that exists in the region concerning the burgeoning health and tourism markets and to identify and develop interdisciplinary programs across areas. The Director of Research and Faculty Development engages in identifying potential grant and research projects germane to the College faculty, and offers research support and expertise to this faculty. The College Student Services Coordinator maintains student demographic data, recruits and initially advises new students, tracks certification requirements, and vigorously works in the retention of academic majors.

GENERAL EDUCATION

REQUIREMENTS FOR A BACHELOR'S DEGREE IN THE COLLEGE OF HEALTH AND HUMAN SCIENCES

The core curriculum of the College of Health and Human Sciences parallels the University core and is designed to expand the intellectual breadth of the College's majors. The College core is required of all students majoring within the College.

I. Reasoning and Communication Skills (12-15 hours)

ENG 101, 102 6
MAT 101 or higher level 3
*Electives
SCM 111, 305, 330; PHI 253; CSS 100, 240, or 330;
ART 130; or Foreign Language 3-6

II. Humanities and Fine Arts (12 hours)

ENG 203 3
Fine Arts Elective
(AA 100; ART 130; DAN 100;
MUS 365; or THE 100) 3
HIS 101, 102 6

III. Social and Behavioral Sciences (6-12 hours)

Six hours chosen from any of the
following, with no more than
3 hours from any one discipline:
*ANT 101, 221, ECO 200, 255;
GHY 101, 102; PS 101, 220;
PSY 110, 375, SOC 101, 240, or 314 6

*Electives from any of the above
in Category III or FAM 151 or
HSE 101 0-6

IV. Natural and Applied Sciences (11 hours)

*Science Laboratory courses 8
*Electives 3

V. Human Wellness (2 hours)

*FN 167 1
*PED 105 1

43-52

*Students should consult requirements in various programs to determine recommended courses in each category.

SECONDARY TEACHER CERTIFICATION

A student in the College of Health and Human Sciences seeking certification at the secondary level must satisfy the core requirements of not only the College of Health and Human Sciences but also the College of Education and Psychology. In addition he or she must complete thirty-two (32) hours of professional education courses: in the first semester of the junior year REF 400 and PSY 469, followed in the second semester by SPE 400 and REF 469; in the first semester of the senior year CIS 474, CIS 475, and an Area Methods course, followed by a second semester of Student Teaching (carrying twelve hours credit and CIS 476).

SCHOOL OF HEALTH, PHYSICAL EDUCATION AND RECREATION

Walter H. Bumgardner, Director
Hattiesburg, MS 39406-5142
(601) 266-5386

Barnes, K. Bell, M. Bell, Boone, Boyd, Burchell, Buschner, Cooper, Ellard, Gallaspy, Graham-Kresge, Hallman, C.M. Harrington, E.L. Harrington, Hartwig, Hubble, James, Ladner, Larson, Maneval, Poole, Servedio, Skalko, Slay, Thompson, Townley, Turk, Viator, Wilkes

The School of Health, Physical Education and Recreation (HPER) prepares professionals for career opportunities in meeting the complex health, leisure, and sport science needs of society. Students have the option of majoring in Coaching and Sports Administration, Health Education, Physical Education, or Recreation. Within these majors students concentrate in the following emphasis areas: Athletic Coaching/Teaching, Athletic Coaching/Non-Teaching, Athletic Training/Teaching, Athletic Training/Non-Teaching, Community Health Education, School Health Education, Corrective Therapy, Exercise Science, Outdoor Recreation and Park Management, Physical Education/Teaching, Physical Education/Non-Teaching, Recreation Programs and Leadership, and Therapeutic Recreation. Teacher certifications are offered in cooperation with the College of Education and Psychology. Certifications are offered in Athletic Training, Physical Education, and Therapeutic Recreation. Teacher certification in Safety and Driver's Education and National Red Cross Certifications are also available. Students majoring in any area of Health, Physical Education, and Recreation should follow the program outline in their area of study. High school graduates and transfer students from community/junior colleges or other four-year colleges may be admitted to the School of HPER in their chosen degree programs upon admission to the University. Students desiring to transfer from other schools or colleges within the University must be in good academic standing and possess a minimum GPA of 2.0 in order to be admitted to a degree program. Students entering the School of HPER will be assigned to the appropriate faculty member for academic advisement. Consult the GRADUATE BULLETIN for information on graduate programs.

COACHING AND SPORTS ADMINISTRATION

A major in Coaching and Sports Administration leading to the Bachelor of Science degree is offered. In addition, a minor program, specialization programs in aquatics, athletic training, and officiating in competitive athletics are also available.

The objectives of the program in Coaching and Sports Administration are as follows:

1. To prepare athletic administrators and coaches for careers in the total educational environment.
2. To prepare students majoring in coaching and sports administration for non-teaching careers.
3. To provide a minor in coaching and sports administration for students majoring in other academic disciplines.
4. To provide each student the opportunity to specialize for certification in the areas of aquatics, athletic training, and officiating in competitive athletics.

REQUIREMENTS FOR A MAJOR IN COACHING AND SPORTS ADMINISTRATION

Athletic Training/Teaching Emphasis

The purpose of this program is to provide professional training for teachers who will serve as athletic trainers in addition to their teaching responsibilities. The program requires a total of thirty-five (35) semester hours in coaching and sports administration. Students must also complete their professional requirements for secondary education and the general education requirements for secondary teachers. Teacher certification will be in the area selected by each student in conference with his or her adviser. This program is approved by the National Athletic Trainers Association (NATA).

Selection and continuation criteria: (1) admission to the University of Southern Mississippi, (2) submit application and three personal references to the Director of Athletic Training Program, (3) personal interview with athletic training staff, (4) maintain 2.50 overall GPA, and (5) maintain 3.00 GPA in Athletic Training related coursework.

FRESHMAN YEAR	SEM. HRS.
BSC 250, 250L, 251, 251L	8
ENG 101, 102	6
HIS 101, 102	6
HSE 101	3
MAT 101	3
Social Science	6
Elect two courses from the following (not more than 3 hours from any area): ANT, ECO, GHY, PS	
	32

SOPHOMORE YEAR	SEM. HRS.
CSA 370	3
English (200 level or above)	3
ENG 203	3
Fine Arts	3
FN 362	3
FS 104	3
HSE 311, 311L	4
PED 105	1
PSY 110	3
SCM 111	3
SOC 101	3
	32

JUNIOR YEAR	SEM. HRS.
CSA 372, 372L	3
CSA 373, 374, 375, 470, 475	15
PED 301, 402	6
PSY 374	3
REF 400, 469	6
SPE 400	3
	36

SENIOR YEAR	SEM. HRS.
CSA 474	2
CSA 472, 476, 477	12
CIS 313	3
CIS 474, 475, 476	5
CIS Special Methods	3
CIS (Student Teaching)	12
	37

Any student seeking NATA certification must complete 2 years practical experience, with a minimum of 800 clock hours over the 2 year period (400 per year minimum) under a certified athletic trainer.

Athletic Training/Non-Teaching Emphasis

The purpose of this program is to provide professional training for students in athletic training desiring careers in non-teaching areas. These areas **must** be in a field such as corrective therapy, pre-physical therapy, or exercise science.

Selection and continuation criteria: (1) admission to the University of Southern Mississippi, (2) submit application and three personal references to Director of Athletic Training Program, (3) personal interview with athletic training staff, (4) maintain 2.50 overall GPA, and (5) maintain 3.00 GPA in Athletic Training related coursework.

This program is approved by the National Athletic Trainers Association (NATA).

FRESHMAN YEAR	SEM. HRS.
BSC 250, 250L, 251, 251L	8
CSA 370	3
Electives	3
ENG 101, 102	6
HSE 101, 311, 311L	7
MAT 101	3
PED 105	1
PSY 110	3
	34

SOPHOMORE YEAR	SEM. HRS.
CSA 372, 372L, 373	6
FN 362	3
Fine Arts Elective	3
HIS 101, 102	6
SOC 101	3
Social Science	6
Elect two courses from the following areas (not more than 3 hours from any area): ANT, SCM, ECO, GHY, PS	
	27

JUNIOR YEAR	SEM. HRS.
CSA 374	3
CSA 375	3
CSA 474	2
CSA 476	6
Electives*	12
ENG 200 or above	3
PED 301	3
PED 402	3
	35

SENIOR YEAR	SEM. HRS.
CSA 409	3
CSA 470	3
CSA 472	3
CSA 475	3
CSA 477	3
Electives*	18
ENG 203	3
	36

TOTAL: 132

*Elective hours must come from areas in corrective therapy, pre-physical therapy or exercise science.

Any student seeking NATA certification must complete 2 years practical experience, with a minimum of 800 clock hours over the 2 year period (400 per year minimum) under a certified athletic trainer.

Professional Emphasis

(Non-Teaching)

The purpose of this program is to provide professional training for students desiring careers in areas such as: Armed Forces sports coaching, sports programing in private or semiprivate enterprise, coaching in private schools, municipal sports directors, front office operations and administration within professional sports organizations and public colleges and universities. Students pursuing the non-teaching emphasis shall not be required to take the professional teacher education requirements.

FRESHMAN YEAR	SEM. HRS.
BSC 250, 250L,	4
ENG 101, 102	6
Fine Arts Elective	3
FN 167	1
HIS 101, 102	6
HSE 101	3
MAT 101	3
PED 105	1
Social Science	6
Elect from the following (not more than 3 hrs. from any area): ANT, ECO, GHY, SOC 101	
	33

SOPHOMORE YEAR	SEM. HRS.
CSA 300	3
CSA 303	3
CSA 320	3
CSA 321	3
CSS 100	3
ENG (200 level or above)	3
ENG 203	3
Physical Science Elective (AST, GLY)	4
PSY 110, 110L	3
Science Elective	3
SCM 111	3
	34

JUNIOR YEAR	SEM. HRS.
CSA 360	3
CSA 370	3
CSA 402	3
CSA 409	3
CSA 420	3
CSA 423	3
MGT 360	3
MKT 300	3
PED 314	3
PED 323	3
PED 326	3
REC 390	3
	36

SENIOR YEAR	SEM. HRS.
CSA 424	3
CSA 470	3
CSA 471	3
CSA 473	1-6
CSA 474	2
JOU 421	3
PED 404	3
PED 423	3
PSY 432	3
PSY 432	3
SOC 410	3
	27-32

TOTAL: 131-135

Four (4) hours in the following courses may be used to satisfy partially the Coaching and Sports Administration requirement for the professional (non-teaching) emphasis:

CSA 210, 211, 212, 213, 214, 215, 216, 217, 218.

Students satisfying the University core requirements and CSA non-teaching emphasis requirements may select (with approval of adviser) 18 hrs. from an academic minor to strengthen the non-teaching area of specialization within the following: Accounting, Management, Marketing, Finance and General Business, Military Science, and Recreation. Courses selected in the minor area may substitute for the following 18 hrs. appearing in the non-teaching emphasis: CSS 100; JOU 421; MGT 360; MKT 300; PSY 432; SOC 410.

Teaching and Coaching Emphasis

The purpose of this program is to provide professional training for teachers who will administer and coach athletics in addition to their teaching responsibilities. The program requires a total of thirty (30) semester hours in coaching and sports administration. Students must also complete their professional requirements for secondary education and the general education requirements for secondary teachers. Teaching certification will be in the area selected by each student in conference with his or her adviser.

FRESHMAN YEAR	SEM. HRS.
BSC 250, 250L	4
ENG 101, 102	6
FN 167	1
HIS 101, 102	6
HSE 101	3
MAT 101	3
PED 105	1
Social Science	6
Elect from the following (not more than 3 hrs. from any area): ANT, ECO, GHY, SOC 101	
	30

SOPHOMORE YEAR	SEM. HRS.
CSA Elective	3
CSA 303	3
English (200 level or above)	3
ENG 203	3
Fine Arts Elective	3
Laboratory Science	4
Mathematics or Science Elective	3
PSY 110	3
SCM 111	3
	28

JUNIOR YEAR	SEM. HRS.
CSA 370	3
CSA 409	3
CSA Electives	9
HSE 311,311L	4
PSY 374	3
REF 400, 469	6
SPE 400	3
	31

SENIOR YEAR	SEM. HRS.
CSA (Elect from 300, 420, 470, 471)	6
CSA Electives	3
CIS 313	3
CIS 474, 475	2
CIS 476	3
CIS (Special Methods)	3
CIS (Student Teaching)	12
	32

Students should consult with their adviser for additional teaching certification requirements.

Four (4) hours taken from the following courses may be used to satisfy partially the thirty (30) semester hour coaching and sports administration requirements for the professional (teaching and coaching) degree:

CSA 210, 211, 212, 213, 214, 215, 216, 217, 218

HEALTH EDUCATION

Health Education offers a major in Health Education. Health Education is an applied science which seeks to bridge the gap between the findings of health-related research and the application of the findings to the daily lives of those who engage its services. Its functions are based on scientific principles, and its processes employ intellectual, psychological, and social dimensions as it attempts to increase the abilities of people to make informed decisions about matters which affect personal, family, and community well-being.

The following emphasis areas are offered within the Health Education major.

REQUIREMENTS FOR A MAJOR IN HEALTH EDUCATION

Community Health Education Emphasis

This program of studies is designed to prepare students for professional careers in health education positions in volunteer health agencies, special categorical health education programs, private agencies and industries, public health departments, and other governmental agencies and programs. The program requires study in foundations of health science, health education content areas, community organizations and groups, educational theory and methodology, and communications. During the sophomore year, the student is to select an approved minor. Suggested minors include: Speech Communication, Counseling Psychology, Psychology, Exercise Science, or Food and Nutrition. Other areas can be negotiated with the student's adviser.

FRESHMAN YEAR	SEM. HRS.
CSS 100	3
ENG 101, 102	6
Fine Arts Elective	3
HIS 101, 102	6
HSE 101, 210	6
LS 101	1
MAT 101	3
PED 105	1
SCM 111	3
	32

SOPHOMORE YEAR	SEM. HRS.
ENG 203	3
ENG 333	3
FN 362 or 367	3
HSE 408	3
HSE Electives	9
Natural Science Elective	3
PSY 110 or SOC 101	3
Social and Behavioral Science Elective	3
	30

JUNIOR YEAR	SEM. HRS.
BSC 170/170L or 180/180L	4
BSC 250/250L or 251/251L	4
Electives (minor)	9
HSE 409, 412, 425, 427	12
HSE Electives	3
MKT 300	3
	35

SENIOR YEAR	SEM. HRS.
ADE 476	3
Electives (minor)	9
HSE 432, 492	6
HSE Electives	6
MGT 360	3
PED 402 or 405	3
PSY 432, 456	6
	36
TOTAL:	133

School Health Education Emphasis

An emphasis in school health education has been provided for students who wish to prepare more adequately than is required by certification standards to teach health education in Mississippi. Students who wish to prepare to become school health educators in states where there is certification for health education should follow the program plan as outlined below.

FRESHMAN YEAR	SEM. HRS.
ENG 101, 102	6
Fine Arts Elective	3
HIS 101, 102	6
HSE 101, 210	6
LS 101	1
MAT 101	3
PED 105	1
Reasoning and Communication Elective	3
SCM 111	3
	32

SOPHOMORE YEAR	SEM. HRS.
ENG 203	3
ENG 333	3
FN 362	3
HSE 311/311L, 341, 414	10
Natural Science Elective	3
PSY 110	3
SOC 101	3
Social and Behavioral Science Elective	3
	31

JUNIOR YEAR	SEM. HRS.
BSC 250/250L, 251/251L	8
HSE 415, 420, 422, 431, 435, 436	18
PSY 374	3
REF 400, 469	6
SPE 400	3
	35

SENIOR YEAR	SEM. HRS.
HSE 408, 410, 412, 423, 492	15
CIS 474, 475	2
CIS 476	3
CIS 462	3
CIS (Student Teaching)	12
	35
TOTAL:	133

Requirements for Teacher Certification in Safety and Driver Education

Students who wish to meet the teacher certification requirements to teach driver education in Mississippi Schools must complete requirements for the Standard Class A certificate and the following courses: HSE 341, 440, 443, 445, and one course from CSA 370, CJ 200, 305, HSE 311, 441, 442, or 444.

Requirements for American National Red Cross Certificate

The program offers certificates from the Red Cross in First Aid Instruction. Please consult an adviser in Health Education for specific course requirements.

PHYSICAL EDUCATION

The major in Physical Education includes three emphases designed to prepare physical educators for teaching careers, as corrective therapists, or for careers in exercise and fitness programs or other areas of physical education.

REQUIREMENTS FOR A MAJOR IN PHYSICAL EDUCATION

Corrective Therapy Emphasis

This program is designed to prepare students seeking career opportunities which include: V.A. Centers, convalescent homes, athletic trainers, private practice in conjunction with a physician, etc.

FRESHMAN YEAR	SEM. HRS.
ENG 101, 102	6
ENG 203	3
Fine Art Elective	3
FN 167	1
HIS 101, 102	6
MAT 101	3
PED 105	1
PSY 110	3
SCM 111	3
SOC 101	3
	32

SOPHOMORE YEAR	SEM. HRS.
BSC 250, 250L, 251, 251L	8
HSE 101, 311, 311L	7
PED 146, 147, 220, 301, 303, 401, 411	17
	32

JUNIOR YEAR	SEM. HRS.
CSA 374, 375	6
PED 323, 402, 404, 410, 426	15
Science Elective	3
THY 411, 421, 454, 455	9
	33

SENIOR YEAR	SEM. HRS.
HSE 420	3
PSY 426, 436	6
THY 421, 461, 462, 463, 464, 471, 472, 473, 474	24
	33
TOTAL:	130

Exercise Science Emphasis

The program of Exercise Science is a unique academic discipline which incorporates the latest application of physical exercise, training, therapy, fitness and health promotion. The emphasis in Exercise Science is for students who are interested in the influence of muscular activity and exercise, and the functional responses and adaptations to it. This area of study prepares the student for a career as a fitness instructor or exercise specialist able to work with a variety of populations. As rehabilitation and preventive medicine are becoming more and more prevalent each year, employment opportunities for these students range from fitness centers and health clubs, to hospital and wellness settings. During the sophomore year, the student is expected to choose an acceptable minor.

FRESHMAN YEAR	SEM. HRS.
Elective	3
ENG 101, 102	6
ENG 203	3
Fine Arts Elective	3
FN 167	1
HIS 101, 102	6
MAT 101	3
PED 105	1
PSY 110	3
SCM 111	3
	32

SOPHOMORE YEAR	SEM. HRS.
BSC 250, 250L, 251, 251L	8
CSA 370	3
CSS 100	3
Elective	3
Electives (minor)	9
HSE 101	3
MGT 360	3
SOC 101	3
	35

JUNIOR YEAR	SEM. HRS.
Electives	6
HSE 437	3
MKT 300	3
PED 301, 302, 303, 304, 402, 406	18
REC 411	3
	33

SENIOR YEAR	SEM. HRS.
CSA 373	3
Electives (Minor)	9
HSE 438	3
PED 405, 420 (6 hrs.), 423, 430	15
	30
TOTAL:	130

Teacher Certification Emphasis

This program is designed to train physical educators for public and private schools. In addition to meeting K-12 certification requirements in Mississippi, it is accredited by NCATE.

In order to meet graduation requirements in a timely manner, it is imperative that you meet the staging requirements of the College of Education and Psychology. These requirements are outlined in the College of Education and Psychology section of this **Bulletin**, or consult your adviser.

FRESHMAN YEAR	SEM. HRS.
BSC 250, 250L; Laboratory Science Elective	8
Social Science Elective (Choose from ANT, ECO, GHY, PS)	3
ENG 101, 102	6
FN 167	1
HIS 101, 102	6
MAT 101	3
PED 105	1
SOC 101	3
	31

SOPHOMORE YEAR	SEM. HRS.
ENG 203, English Elective	6
Fine Arts Elective	3
FS 104 or 105	3
HSE 101, 311, 311L, 408	10
PED 146, 147, 284	5
PSY 110	3
SCM 111, 305, or 330	3
	33

JUNIOR YEAR	SEM. HRS.
CSA 409	3
HSE 430	3
PED 202, 301, 303, 314, 323	15
PSY 374	3
REF 400, 469	6
SPE 400	3
	33

SENIOR YEAR	SEM. HRS.
CIS 462, PED 320, 401	9
PED 326, 402, 420	7
Student Teaching (Block): CIS 474, 475, 476, 491	17
	33
TOTAL:	130

Students seeking corrective therapy certification in conjunction with teacher certification are also required to complete the following: PED 220, 404, 410, 411, 436, PSY 426, 436 and THY 411, 421, 454, 455, 461, 462, 463, 464, 471, 472, 473, 474.

With successful completion of the National Corrective Therapy Association Examination, the student will be certified as a corrective therapist.

THE UNIVERSITY PHYSICAL EDUCATION SERVICE PROGRAM

This program is designed to contribute to the general education of all students. The Concepts in Physical Fitness course (PED 105) is required of all students and develops awareness in fitness assessment, preventive health, and lifestyle management. In the 100-level activity courses students learn the basic skills of life-time sports and fitness which may be applied in the intramural program or during other times of leisure. The upper level service courses are designed to provide in-depth skill development in a particular area of interest.

RECREATION

Recreation offers professional preparation in three distinct areas of specialization within the broad field of recreation and leisure services. Completion of programs in the specialization areas of Recreation Programs and Leadership, Outdoor Recreation and Park Management, or Therapeutic Recreation leads to a Bachelor of Science degree in Recreation with emphasis in the specialization. The program is accredited by the COPA approved National Council on Accreditation of Recreation and Parks Curricula.

REQUIREMENTS FOR A MAJOR IN RECREATION

Outdoor Recreation and Park Management Emphasis

This program provides a curriculum with concentration in the outdoor recreation planning and management aspect of parks and recreation. It has been designed for students who desire career recreation planning and/or management specialities. Such specialists work as park and recreation planners, park managers, park rangers, camp directors, and interpreters.

FRESHMAN YEAR	SEM. HRS.
ENG 101, 102	6
ENG 203	3
HSE 101	3
Laboratory Science	4
MAT 101	3
PED 105	1
PSY 110	3
REC 200, 203, 2 activities	8
	31

SOPHOMORE YEAR	SEM. HRS.
ENG 333	3
Fine Arts Elective	3
FN 167	1
HIS 101, 102	6
Laboratory Science	4
REC 201, 210, 322, 323, 1 activity	11
SCM 111	3
	31

JUNIOR YEAR	SEM. HRS.
Adviser Approved Electives**	3
CJ 341	3
GHY 102	3
HSE 311, 311L	4
MGT 360	3
REC 211, 350, 402, 413, 415, 447, 494	15
SOC 101	3
	34

SENIOR YEAR	SEM. HRS.
Adviser Approved Elective**	3
GHY 317 or 370	3
Natural Science Elective	3
REC 212, 434, 436, 441, 443, 1 activity	14
*REC 495	9
	32
TOTAL:	128

*Internship should be last course of curriculum, normally taken during summer term
**Adviser approved electives are selected by student and approved by adviser based on specialization.

Recreation Programs and Leadership Emphasis

This curriculum is designed for students with career interests in any of a variety of agency settings in which recreation programs are delivered. Examples of employment opportunities include: county and municipal recreation agencies, youth serving agencies including the YMCA, Boys Clubs, Scouting, etc., civilian employment in military recreation, church recreation, commercial recreation agencies and resorts.

FRESHMAN YEAR	SEM. HRS.
ENG 101, 102	6
ENG 203	3
HSE 101	3
Laboratory Science	4
MAT 101	3
PED 105	1
PSY 110	3
REC 200, 203, 2 activities	8
	31

SOPHOMORE YEAR	SEM. HRS.
Fine Arts Elective	3
HIS 101, 102	6
Laboratory Science	4
REC 201, 210, 322, 323, 2 activities	13
SCM 111	3
SOC 101	3
	32

JUNIOR YEAR	SEM. HRS.
Adviser Approved Elective**	6
ENG 333	3
Elective - Natural Science	3
FN 167	1
HSE 311, 311L	4
REC 211, 212, 341, 350, 390, 494	12
	29

SENIOR YEAR	SEM. HRS.
Adviser Approved Elective	3
MGT 360	3
PS 370	3
REC 402, 413, 415, 424, 434, 436	16
REC 495*	9
	40
TOTAL:	132

*Internship should be last course of curriculum, normally taken during summer term.

Therapeutic Recreation Emphasis

This program provides professional preparation for students interested in working within health care settings. Graduates function as recreation therapists in psychiatric rehabilitation, physical rehabilitation, mental retardation, pediatrics, geriatric settings, and in community-based treatment and social services agencies and are eligible for professional certification by the National Council for Therapeutic Recreation Certification.

FRESHMAN YEAR	SEM. HRS.
BSC 250, 250L	4
ENG 101, 102	6
ENG 203	3
HSE 101	3
MAT 101	3
Recommended Elective	3
PSY 110, 110L	3
REC 200, 203, 1 activity	7
	32

SOPHOMORE YEAR	SEM. HRS.
BSC 251, 251L	4
Fine Arts Elective	3
HIS 101, 102	6
PED 105	1
REC 201, 210, 322, 322L, 323, 350, 1 activity	15
SCM 305 or 330	3
	33

JUNIOR YEAR	SEM. HRS.
Elective - Natural Science	3
Electives: HSE 322, PED 301, or PSY 360	6
ENG 333	3
FN 167	1
HSE 311/311L	4
PED 302	3
REC 211, 212, 402, 411, 413, 494, 1 activity	10
	30

SENIOR YEAR	SEM. HRS.
CPY 312, 431	6
Elective: CPY 435, HSE 436, or PSY 456	3
PED 405	3
PSY 436	3
REC 415, 450, 451, 452	12
REC 494	1
REC 495*	9
	36
TOTAL:	131

*Internship should be last course of curriculum, normally taken during summer term.

SCHOOL OF HOME ECONOMICS

Erskine R. Smith, Director
Hattiesburg, MS 39406-5035
(601) 266-4679

Bernstein, Billon, Blackwell, B. Boone, Boudreaux, Dance
Dickerson, Easterling, Forsythe, Holston, R. Howell, Leslie, Palan,
Ramsey, Rogers, Rowland, Saul, D. Smith, A. Stamper, Traylor,
Watson, Yadrick, Yates

The School of Home Economics offers six majors with ten emphases and participates in the college-wide program in hotel/restaurant administration. The curricula of the School are planned to place major emphasis on careers involved in improving the quality of life for individuals and families. Students are prepared to assume responsibilities as professionals in a variety of career areas. Programs in the School offer excellent opportunities for obtaining a broad general education, in addition to developing skills and abilities to function competently in a selected professional area.

All programs include an internship or field experience component in order to provide the student with the opportunity to apply knowledge in direct contact with the consumer or client. In addition to using numerous businesses and facilities in the region to provide these in-depth experiences, the School manages a number of services in the community where students receive supervised experience. The Fern Hesson Charcoal Room, a modern academic food service laboratory, is operated by the School. The Charcoal Room, a cafeteria and dining room for faculty, staff, and graduate students is in the University Commons, which is centrally located on campus.

The School also operates the Hattiesburg Senior Services Center, a day program for older adults and those with special needs. The Center for Child Development, also a component of the School, operates the USM Child Care Center and the USM Nursery School. The Sarah W. Gibbs Historic Costume Collection is also maintained by the School in the McCain Library Archives.

The undergraduate programs in the School are accredited by the Council for Professional Development of the American Home Economics Association. The Coordinated Program in Dietetics is currently accredited by The American Dietetic Association Council on Education, Division of Education Accreditation/Approval, which also currently approves the Academic Program in Dietetics.

Offerings for Non-Majors

A number of courses are offered within the School that do not have prerequisites and are excellent choices for electives. Minors are also available in a number of areas within the School.

CLOTHING MERCHANDISING

The clothing merchandising curriculum provides basic courses in clothing, textiles, economics, business, and marketing. Students who qualify may complete an internship with cooperating retail establishments to enhance their placement potential. With this background, graduates are prepared to move into executive training programs offered by retail stores throughout the country. Such training programs lead into positions as buyers, training supervisors, fashion coordinators, comparison shoppers, radio and television script writers, and numerous jobs involving some aspect of retailing.

REQUIREMENTS FOR A MAJOR IN CLOTHING MERCHANDISING

FRESHMAN YEAR	SEM. HRS.
ARE 207	3
BSC 110, 110L, 111, 111L	8
CT 121	3
ENG 101, 102	6
HIS 101, 102	6
MAT 101	3
PED 105	1
SCM 111	3
	33

SOPHOMORE YEAR	SEM. HRS.
ACC 201	3
ART 130	3
CSS 100	3
CT 131, 221	6
ECO 255	3
ENG 203	3
FAM 151	3
FN 362	3
HEE 101	1
PSY 110, 110L	3
	31

JUNIOR YEAR	SEM. HRS.
CT 220 and 328; or 222	3
CT 330, 332, 334, 335, 337	15
ENG 333	3
MGT 360	3
MKT 300, 330, 342	9
	33

SENIOR YEAR	SEM. HRS.
CT 331, 435, 436, 437, 439, 475	19
MGT 364	3
Marketing Electives	6
MKT 422	3
	31
TOTAL:	128

Requirements for a Minor in Clothing Merchandising

All students pursuing a minor in this area must complete twenty-six (26) semester hours. Suggested courses to meet this requirement are as follows:

CT 121, 328, 334, 337, 435, 436	17
MKT 300, 330, 342	9

CLOTHING AND TEXTILES

Students may select the general Clothing and Textiles major, preparatory for graduate work in this field, or may elect one of two emphasis areas. Students emphasizing Fashion Design and Construction find positions with apparel manufacturers, pattern companies, theatrical companies, or in private design business. The Textiles Management and Production emphasis prepares students for production and management positions in fabric, yarn, finishing, and apparel industries.

REQUIREMENTS FOR A MAJOR IN CLOTHING AND TEXTILES

Clothing and Textiles Emphasis

FRESHMAN YEAR	SEM. HRS.
ARE 207	3
CHE 101, 101L, 102, 102L	8
CT 131	3
ENG 101, 102	6
HIS 101, 102	6
MAT 101	3
PED 105	1
SCM 111	3
	33

SOPHOMORE YEAR	SEM. HRS.
ART 130	3
CT 220, 330	4
ECO 255, 256	6
ENG 203	3
FAM 151	3
FN 362	3
GBA 295	3
MIS 200	3
PSY 110, 110L	3
	31

JUNIOR YEAR	SEM. HRS.
CT 331, 332, 333, 334, 335	15
ECO 301	3
ENG 333	3
EVD 331 or 332	3
HEE 101	1
Directed Electives*	9
	34

SENIOR YEAR	SEM. HRS.
CT 430 or 432, 431, 433, 434, 437, 475	18
Directed Electives*	9
Electives	3
	30
TOTAL:	128

*Students work closely with an adviser in selecting the electives necessary to compliment their total planned program.

Fashion Design and Construction Emphasis

FRESHMAN YEAR	SEM. HRS.
ART 101, 102	6
CT 121, 131	6
ENG 101, 102	6
HEE 101	1
HIS 101, 102	6
MAT 101	3
PSY 110, 110L	3
	31

SOPHOMORE YEAR	SEM. HRS.
ART 111, 112	6
BSC 110, 110L, 111, 111L	8
CSS 100	3
CT 220, 330	4
ECO 255	3
FAM 151	3
PED 105	1
SCM 111	3
	31

JUNIOR YEAR	SEM. HRS.
ART 130, 210	6
CT 331, 332, 333, 334, 335, 337	18
ECO 256	3
EVD 331	3
GBA 295	3
	33

SENIOR YEAR	SEM. HRS.
ART 332	3
CT 431, 433, 437, 475, 492	18
ENG 203, 333	6
FN 362	3
MKT 300	3
	33
TOTAL:	128

Textiles Management and Production Emphasis

FRESHMAN YEAR	SEM. HRS.
CHE 101, 101L, 102, 102L	8
CT 121, 131	6
ENG 101, 102	6
HEE 101	1
HIS 101, 102	6
MAT 101	3
PED 105	1
	31

SOPHOMORE YEAR	SEM. HRS.
ART 130	3
CSS 211	3
CT 220, 330	4
ECO 255	3
ENG 203	3
FAM 151	3
MAT 112	3
MIS 200	3
PSY 110, 110L	3
SCM 111	3
	31

JUNIOR YEAR	SEM. HRS.
CT 331, 333, 334, 335, 337	15
EVD 331	3
FN 362	3
MAT 312	3
MGT 360, 364 or 454, 465	9
	33

SENIOR YEAR	SEM. HRS.
CT 430, 431, 433, 437, 475, 492	18
ENG 333	3
MGT 467, 472, 482	9
MKT 300	3
	33
TOTAL:	128

DIETETICS

In the Dietetics curriculum, students have three options: the Coordinated Program in Dietetics, which is accredited by the American Dietetic Association; the Academic Program in Dietetics, which is approved by the American Dietetic Association; and the Food and Nutrition emphasis.

The Coordinated Program in Dietetics combines classes in the subject matter area with intensive training in participating hospitals, food service facilities, and community agencies during the junior and senior years of the program. Prospective students must apply to the Coordinated Program in the spring for fall acceptance. Criteria for acceptance include a GPA of 2.75, completion of specified courses with a grade of "C" or better, a letter of application, and references. Upon completion of the degree, the student is eligible to take the registration examination to become a Registered Dietitian.

The Academic Program in Dietetics includes all courses necessary to meet the Academic Requirements of the American Dietetic Association and qualifies the student upon graduation to enter a dietetic internship or other pre-planned professional experience approved or accredited by the American Dietetic Association. The Food and Nutrition emphasis curriculum can also meet the ADA Academic Requirements with the proper selection of electives.

The Food and Nutrition emphasis is designed for students interested in nutrition and the sciences. It provides students with knowledge of how the body metabolizes nutrients and food in various situations. This program can meet requirements for preparation for medical school, dental school, other professional graduate schools, or advanced study in nutrition or biochemistry.

Suggested minors for dietetic majors: chemistry, biological sciences, health education, management, or psychology.

REQUIREMENTS FOR A MAJOR IN DIETETICS

Coordinated Program in Dietetics Emphasis

FRESHMAN YEAR	SEM. HRS.
CHE 101, 101L, 102, 102L	8
CSS 100 or MIS 200	3
ENG 101, 102	6
Fine Arts Elective	3
HIS 101, 102	6
MAT 101 or above	3
PED 105	1
PSY 110, 110L	3
	33

SOPHOMORE YEAR	SEM. HRS.
BSC 250, 250L, 251, 251L, 281, 281L	12
CHE 251, 251L, 321, 321L	8
ECO 255	3
ENG 203	3
FN 362	3
SCM 111	3
SOC 101	3
	35

JUNIOR YEAR	SEM. HRS.
ACC 201	3
FN 265, 410, 420, 420L, 430, 461, 461L	17
IAD 471, 472, 475	11
MGT 360	3
	34

SENIOR YEAR	SEM. HRS.
IAD 477	6
FN 463, 463L, 464, 465, 467L, 475, 492	27
	33
TOTAL:	135

Academic Program In Dietetics Emphasis

FRESHMAN YEAR	SEM. HRS.
CHE 101, 101L, 102, 102L	8
CSS 100 or MIS 200	3
ENG 101, 102	6
Fine Arts Elective	3
HIS 101, 102	6
IAD 272 or FN 163, 261	3-6
MAT 101 or above	3
PED 105	1
PSY 110, 110L	3
	36-39

SOPHOMORE YEAR	SEM. HRS.
ACC 201	3
BSC 250, 250L, 251, 251L or 451, 451L	4-8
BSC 281, 281L	4
CHE 251, 251L, or 351, 351L, 352, 352L	4-8
ECO 255	3
FN 362	3
SCM 111	3
SOC 101	3
	27-35

JUNIOR YEAR	SEM. HRS.
CHE 321, 321L	4
ENG 203, 333	6
FN 265	1
HEE 302	3
IAD 370, 471, 472, 476	14
MGT 360	3
	31

SENIOR YEAR	SEM. HRS.
Electives	0-6
FN 410, 420, 430, 461, 463, 475, 492	15
IAD 474	9
MGT 364	3
	27-33
TOTAL:	128

Food and Nutrition Emphasis

FRESHMAN YEAR	SEM. HRS.
BSC 110, 110L	4
CHE 101, 101L, 102, 102L	8
ENG 101, 102	6
Fine Arts Elective	3
FN 163	3
HIS 101, 102	6
MAT 101 or above	3
PED 105	1
	34

SOPHOMORE YEAR	SEM. HRS.
BSC 250, 250L, 251, 251L or 451, 451L	4-8
CHE 251, 251L, or 351, 351L, 352, 352L	4-8
ENG 203	3
FN 261, 362	6
PSY 110, 110L	3
SCM 111, 305, or 330	3
Social or Behavioral Science Elective	3
	26-34

JUNIOR YEAR	SEM. HRS.
BSC 281, 281L or 380, 380L	4
CHE 321, 321L or 421, 422, 427L and 428L	4-8
CSS 100 or MIS 200	3
ECO 255	3
Electives	9
HEE 101	1
Minor Requirements	6
	30-34

SENIOR YEAR	SEM. HRS.
Electives	0-6
ENG 333	3
FN 410, 420, 430, 460, 461, 475, 492	21
Minor Requirements	12
	36-42
TOTAL:	128

Requirements for a Minor in Food and Nutrition

All students pursuing a minor in this area must complete eighteen (18) hours of food and nutrition courses. Suggested courses to meet this requirement are as follows:

FN 163, 362, 363, 410, 420, 430, 460, 461, 492

FAMILY LIFE STUDIES

The major in Family Life Studies offers emphasis areas in Family Relations, Child Development and Child Life. Each emphasis area focuses on human development from a family systems orientation. In Family Relations, emphasis is on changes thro ghout the total family life cycle, such as marital adjustment, birth of children, parenting, sexual relationships, and later life. In the Child Development emphasis, students study the social, emotional, physical and cognitive developmental changes during infancy through the preschool years. Specific attention is devoted toward examining the situational context within which development occurs, such as the family and/or the early childhood education/care environment. In the Child Life emphasis, students are prepared for work with children and their families during hospitalization or extended health care. Adverse reactions to hospitalization can be reduced through use of techniques designed to provide play opportunities which foster continued growth and development. Students in all family life emphases are exposed to laboratory experiences through the Center for Child Development and the Hattiesburg Senior Services Center, as well as in community settings. A degree in Family Life Studies offers a variety of career options within the areas of child and family services.

Child Development Emphasis

FRESHMAN YEAR	SEM. HRS.
AA 100	3
BSC 110, 110L, 111, 111L	8
ENG 101, 102	6
FAM 151	3
HEE 101	1
HIS 101, 102	6
MAT 101	3
PED 105	1
	31

SOPHOMORE YEAR	SEM. HRS.
CD 350, 352	6
ENG 203	3
FEM 150	2
FS 104 or 105	3
MGT 360	3
Minor	6
MIS 200	3
SCM 111	3
SOC 101	3
	32

JUNIOR YEAR	SEM. HRS.
CD 450, 451, 453	9
FAM 351, 452	6
FEM 442	3
FN 363	3
HSE 310	2
PSY 375	3
REF 416	3
SPE 405	3
	32

SENIOR YEAR	SEM. HRS.
CD 452, 455, 475	12
CIE 403	3
Elective	3
LS 417	3
Minor	12
	33
TOTAL:	128

Requirements for a Minor in Child Development

All students pursui g a minor in Child Development must complete eighteen (18) semester hours in Child Development and Family Relations. Select courses to meet this requirement from the following:

	Hours
CD 350, 352, 450, 451, 452, 453, 498 and FAM 452	18

Child Life Emphasis

FRESHMAN YEAR	SEM. HRS.
AA 100	3
ENG 101, 102	6
FAM 151	3
FS 104 or 105	3
HEE 101	1
HIS 101, 102	6
HSE 101	3
MAT 101	3
PED 105	1
SCM 111	3
	32

SOPHOMORE YEAR	SEM. HRS.
BSC 250, 250L, 251, 251L	8
CD 350, 352	6
ENG 203	3
FN 363	3
Minor	3
MIS 200	3
SOC 240	3
	29

JUNIOR YEAR	SEM. HRS.
CD 450, 451, 453, 492	10
CPY 423	3
FAM 452	3
HSE 310	2
Minor	9
PSY 375	3
SPE 405	3
	33

SENIOR YEAR	SEM. HRS.
CD 452, 455, 475, 498	15
Electives	4
LS 417	3
Minor	6
NSG 406	3
PHI 452	3
	34
TOTAL:	128

Family Relations Emphasis

FRESHMAN YEAR	SEM. HRS.
BSC 110, 110L, 111, 111L	8
CSS 100	3
ENG 101, 102	6
FEM 150	2
HEE 101	1
HIS 101, 102	6
MAT 101	3
PSY 110, 110L	3
SOC 101	3
	35

SOPHOMORE YEAR	SEM. HRS.
AA 100	3
CD 350	3
ENG 203	3
FAM 151	3
FEM 443	3
FN 362	3
Minor	6
PED 105	1
SCM 111, 305	6
	31

JUNIOR YEAR	SEM. HRS.
CD 451	3
FAM 351, 452	6
FEM 442	3
HEE 401, 404	6
Minor	6
PSY 372	3
SOC 240 or 450	3
	30

SENIOR YEAR	SEM. HRS.
CJ 463	3
Elective	0-2
HSE 422	3
FAM 450, 451, 453, 475	12
FAM 490	3-6
Minor	6
SOC 415	3
	30-33
TOTAL:	128-129

Requirements for a Minor in Family Relations

All students pursuing a minor in this area must complete eighteen (18) hours in Family Relations and Child Development courses. Select courses to meet this requirement from the following:

	Hours
FAM 151, 351, 450, 451, 452, or 453	15
CD 350 or 451	3
	18

Requirements for an Interdisciplinary Minor in Gerontology

An interdisciplinary minor in gerontology may be completed by taking a minimum of 18 semester hours selected from the following:

*FAM 453	The Family in Later Life
FAM 454	Special Topics in Gerontology
*FAM 490	Practicum
PSY 456	Psychology of Aging and Death
PED 406	Physiology of Aging
REC 452	Gerontology and Therapeutic Recreation
NSG 406	Death and Bereavement
SOC 424	Sociology of Aging

*Required courses. For the practicum, the student must be placed in the field of aging.

HOME ECONOMICS

Students majoring in Home Economics may emphasize the areas of Education or Business. Students who choose to emphasize Education complete the requirements for teacher certification as set forth by the Mississippi State Department of Vocational Education. Graduates are qualified to teach in secondary Vocational Home Economics Education programs. In addition, graduates may be employed by the Cooperative Extension Service, utility companies, and private or governmental agencies concerned with providing consumer services to individuals and families. (Students interested in pursuing a degree in Vocational Home Economics Education should also see the sections in this publication on "Teacher Education Programs.")

Students electing to emphasize Business will find opportunities for employment in settings such as utility companies, appliance/equipment manufacturers, retailing establishments, and supermarkets. Positions for Home Economist in Business may be consumer affairs specialist, sales representative, marketing specialist, director of consumer education, etc.

Vocational Home Economics Education Emphasis

(Secondary Teacher Certification)

FRESHMAN YEAR	SEM. HRS.
BSC 110, 110L	4
BSC 180, 180L	4
CT 131	3
ENG 101, 102	6
FEM 150	2
FN 163 or IAD 272	3
HIS 101, 102	6
MAT 101	3
PED 105	1
PS 101	3
	35

SOPHOMORE YEAR	SEM. HRS.
AA 100, ART 130, DAN 107, MUS 365 or THE 100	3
CT 334	3
ECO 255	3
ENG 203	3
FAM 151, 452 or 453	3
FN 261	3
FS 104 or 105	3
HEE 101, 201, 401	7
PSY 110, 110L	3
SCM 111	3
	34

JUNIOR YEAR	SEM. HRS.
CD 350	3
ENG 332	3
EVD 337	3
FAM 351	3
FEM 345, 443	6
FN 362	3
HEE 301	3
PSY 372, 374	6
REF 469	3
	33

SENIOR YEAR	SEM. HRS.
CIS 474, 475, 476	5
FEM 442	3
HEE 404, 409, 475, 490	21
REF 400	3
SPE 400	3
	35
TOTAL:	137

Home Economics in Business Emphasis

FRESHMAN YEAR	SEM. HRS.
AA 100	3
BSC 110, 110L, 111, 111L	8
CT 131	3
ENG 101, 102	6
FN 163 or IAD 272	3
HEE 101	1
HIS 101, 102	6
MAT 101	3
SCM 111	3
	36

SOPHOMORE YEAR	SEM. HRS.
ACC 201	3
CSS 100	3
CT 330	3
ECO 255	3
EVD 337	3
FEM 150, 201	5
FN 261	3
PS 101	3
PSY 110,110L	3
SCM 305	3
	32

JUNIOR YEAR	SEM. HRS.
BED 200	3
CD 350	3
FAM 151, 351	6
FEM 345	3
FN 362	3
HEE 301	3
MGT 360	3
MKT 300, 330	6
PED 105	1
	31

SENIOR YEAR	SEM. HRS.
ENG 203	3
FEM 441, 442, 443, 475	12
GBA 295	3
HEE 404	3
JOU 421	3
SCM 320, 330	6
	30
TOTAL:	129

INTERIOR DESIGN

The interior design program is for the student planning a professional career designing interior spaces within the human environment. It is an interdisciplinary approach derived for the professional needs and responsibilities of the interior designer. The curriculum contains courses in applied design (Environmental Design) as well as related disciplines.

Career opportunities exist in the following areas: architectural and industrial designing firms, department and furniture stores, furniture and textile manufacturing companies, hotel and restaurant chains, antique dealers, self-employment, etc.

REQUIREMENTS FOR A MAJOR IN INTERIOR DESIGN

FRESHMAN YEAR	SEM. HRS.
ACT 132	3
ART 101, 102, 111, 112	12
ENG 101, 102	6
EVD 140	3
HEE 101	1
MAT 101	3
PED 105	1
SCM 111	3
	32

SOPHOMORE YEAR	SEM. HRS.
ACT 203	3
ART 130	3
EVD 233, 234, 238, 240	14
FAM 151	3
HIS 101, 102	6
PSY 110, 110L	3
SOC 101	3
	35

JUNIOR YEAR	SEM. HRS.
ACT 222 or ART 332	3
EVD 330, 331, 333, 335, 336, 338, 340, 342	28
FN 362	3
	34

SENIOR YEAR	SEM. HRS.
ACT 303	3
BSC 110/110L, 111/111L	8
ENG 203	3
ENG 333	3
EVD 440, 441, 442,475	15
	32
TOTAL:	133

HOTEL AND RESTAURANT ADMINISTRATION PROGRAM

Richard Howell, Director
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The Hotel and Restaurant Administration Program encompasses the areas of food, lodging, and tourism, all of which are areas of growth with opportunities for careers which are both exciting and rewarding.

Courses in the hotel and restaurant administration major are supplemented by related courses in business practices, marketing, management, public relations, etc., along with required field experiences, including 400 hours of general work experience, a supervised sophomore practicum, and a senior internship. Faculty and students also work with professional associations, such as the American Hotel and Motel Association, the Hotel Sales and Marketing Association, the International Food Service Executives Association, the National Tour Association, the Travel, Tourism, and Research Association, and the National Restaurant Association.

Students completing the hotel/restaurant curriculum can expect to find careers in a variety of service industries, including restaurant chains, cruise ships, catering enterprises, resort lodges, hotel properties, retirement villages, etc. Club operations, both military and civilian, are other popular options for HRA students. Students in the tourism emphasis consider careers in hotels, convention centers, convention and visitors bureaus, transportation companies, group tour operations, government tourism agencies, meeting planning and exhibition operations, theme parks, and other attractions.

REQUIREMENTS FOR A MAJOR IN HOTEL AND RESTAURANT ADMINISTRATION

FRESHMAN YEAR	SEM. HRS.
Elective	3
ENG 101, 102	6
Fine Arts Elective	3
HIS 101, 102	6
Laboratory Science Elective	4
MAT 101 or above	3
HRA 179	1
PED 105	1
PSY 110, 110L	3
SCM 111, 305, or 330	3
	33

SOPHOMORE YEAR	SEM. HRS.
ACC 201, 202	6
BSC 281, 281L	4
MIS 200	3
ECO 255	3
ENG 203	3
HRA 279	2
IAD 272, 273	6
Social or Behavioral Science Elective	3
	30

JUNIOR YEAR	SEM. HRS.
Electives	3
FN 362	3
HRA 375, 376	6
IAD 472, 476	8
MGT 360, 364, 454	9
MKT 300	3
Electives	6
	32

SENIOR YEAR	SEM. HRS.
Electives	6
HRA 478, 479, 480, 481, 482, 483	18
IAD 370, 471, 474	9
	33

TOTAL: 128

Tourism Emphasis

FRESHMAN YEAR	SEM. HRS.
ENG 101, 102	6
Fine Arts Elective	3
HIS 101, 102	6
HRA 179	1
Laboratory Science Electives	8
MAT 101 or above	3
PED 105	1
PSY 110,110L	3
	32

SOPHOMORE YEAR	SEM. HRS.
ACC 201, 202	6
CSS 100	3
ECO 255	3
ENG 203	3
GBA 295	3
HRA 279, 376	5
IAD 272, 370	6
PS 101	3
SCM 111, 320, or 330	3
	35

JUNIOR YEAR	SEM. HRS.
FN 362	3
HRA 375, 481, 483, 485	12
JOU 421	3
MGT 360	3
MKT 300, 355	6
REC 447	3
	30

SENIOR YEAR	SEM. HRS.
Electives	5
HRA 478, 479, 482, 492, 494	14
MGT 454	3
MKT 458	3
PLG 461	3
PSY 360	3
	31

TOTAL: 128

SCHOOL OF NURSING

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* Adjunct Faculty

HISTORY

Following a year of planning and curriculum development, the first students were admitted to the School of Nursing in September, 1967. The School of Nursing received National League for Nursing accreditation in 1969. The first Bachelor of Science degrees with Nursing as a major were conferred in May, 1969.

ACCREDITATION

The School of Nursing program is accredited by the National League for Nursing and approved by the Board of Trustees of State Institutions of Higher Learning.

BACCALAUREATE PROGRAM

The Baccalaureate Program offers broad preparation in general education, as well as education for the professional practice of nursing in a variety of settings. Courses in the liberal arts and humanities, the sciences, and the professional component are selected to prepare the student to assume effectively the role of a citizen and professional practitioner.

Successful completion of the nursing program leads to the awarding of the Bachelor of Science Degree and permits the student to make application to take the National Council Licensure Examination - R.N. Applicants who have been convicted or have charges pending against them for a felony or misdemeanor in any state may be denied to sit for the licensure examination by the State Board of Nursing.

ADMISSION AND PROGRESSION

All students entering the School of Nursing directly from high school and all students transferring to the School are subject to the admission procedures and standards of the University. Admission to the School of Nursing at the University of Southern Mississippi does not ensure progression to the upper division nursing major.

The following minimum requirements must be met before certification to the major. The number of students progressing each semester may vary according to the resources available.

1. An ACT composite of 18 or above;
   or
   If ACT score is below 18, an overall GPA of 2.50 on all work attempted. All students admitted to the Nursing Major must have an ACT score.
2. Transfer Credit Time Limitation
   Transfer credit in the natural and behavioral sciences will not be considered as applicable to the nursing curriculum if such credit is over ten years old at the time of first enrollment in the School of Nursing.
3. Completion of all required non-nursing courses, except statistics and the elective, with a grade of C or better:
4. Natural science courses may be repeated one time only.

Upon certification to the nursing major, the student must fulfill the following requirements:
1. Meet the standards of conduct of the ANA Code of Nursing.
2. Demonstrate safe practice in laboratory courses.
3. Maintain a minimum grade point average of 2.00. However, a grade C or better must be obtained in all required courses. Nursing courses may be repeated one time only. Only two nursing courses may be repeated.

STUDENT ADVISEMENT

Each student admitted to the program will be assigned an adviser. The adviser will assist the student in planning a program of study toward the degree, approve the schedule each semester, provide counsel, and sign the application for degree.

EXPENSES

The general fees and expenses are the same for nursing students as for other University students. Additional expenses incurred by nursing students such as uniforms, books, insurance, student nurse organization fees, etc., are estimated as follows:

3rdYear	4th Year
$500.00	$150.00

Travel: Students are responsible for arranging transportation to off-campus hospitals and other agencies which constitute part of the program.

INSURANCE

Students in the nursing major of the nursing program are required to have professional and personal liability insurance. Automobile liability insurance is required as stipulated by assigned agencies.

HEALTH EXAMINATION

A health examination is required for admission to the upper division and yearly for the remainder of the time required to complete the program.

REQUIREMENTS FOR A MAJOR IN NURSING

FRESHMAN YEAR	SEM. HRS.
CHE 101/101L, 102/102L	8
ENG 101, 102	6
HIS 101, 102	6
MAT 101	3
PSY 110	3
SOC 101	3
Elective	3
	32

SOPHOMORE YEAR	SEM. HRS.
BSC 250/250L, 251/251L	8
BSC 280	3
Computer Science Elective	3
ENG 203	3
Fine Arts Elective	3
FN 367	3
PSY 360, 375	6
SCM 111 or 305	3
SOC 314	3
	35

JUNIOR YEAR	SEM. HRS.
NSG 312	3
NSG 313	3
NSG 325	5
NSG 325L*	0
NSG 326	2
NSG 327	7
NSG 327L*	0
NSG 328	6
NSG 328L*	0
NSG 344	4
NSG Elective	3
	33

SENIOR YEAR	SEM. HRS.
NSG 412	7
NSG 412L*	0
NSG 413	7
NSG 413L*	0
NSG 427	7
NSG 427L*	0
NSG 428	6
NSG 428L*	0
NSG 429	5
NSG 429L*	0
NSG 492 NCLEX Review	1
	33
TOTAL:	133

*Laboratory courses must always be taken concurrently with the credit course of the same nursing number.

REGISTERED NURSE STUDENTS[1]

Registered nurse students must complete the same Bachelor of Science degree prerequisites as all other degree candidates in the School of Nursing. The prerequisites may be taken at the University of Southern Mississippi or at another accredited college or university. (See University BULLETIN for limitation of transfer credits.) The registered nurse student is eligible to establish credit in nursing through successful completion of examinations.

For the specific program of study for the registered nurse student, contact:

Assistant Dean
School of Nursing
Southern Station Box 5095
Hattiesburg, MS 39406-5095

[1]Registered nurse student is a student who is: (1) A graduate from either an associate degree program in nursing or a diplomanursing program; (2) registered to practice nursing in Mississippi; and (3) admitted to and enrolled in the University of Southern Mississippi with the nursing major.

SCHOOL OF SOCIAL WORK

Shirley J. Jones, Dean (on leave)
Geraldine Parish, Acting Director
Hattiesburg, Mississippi 39406-5114
(601) 266-4163

Edwards, Esser-Stuart, Foster, Hammond, Saxon, Smith, Zimmerman

PURPOSE

The primary purpose of the School of Social Work is to provide professional social work education to undergraduate and graduate students. The social work profession recognizes the bachelor's degree as the first practice degree. The primary objective of the undergraduate program in social work is the preparation of students for beginning professional social work practice. The undergraduate program will also prepare students to enter graduate schools of social work or other professional degree programs.

BACCALAUREATE SOCIAL WORK EDUCATION

Social work is concerned with the interaction between people and their enviornment. Social workers deal directly with people in efforts to prevent or resolve problems which inhibit growth and development. Social work practice includes work with individuals, families, groups, organizations, and communities. The undergraduate social work program is structured to provide students with an opportunity to develop a broad background in the social and behavior sciences. Theoretical knowledge of individual development, group processes, and organizational behavior are integral components of the curriculum. The development and modification of social policy, practice skills in interviewing, research, and methods of intervention are required social work courses to prepare students for social work generalist practice. In addition to required courses in the major, students are expected to gain practical experience through a field practicum in a social work agency during their senior year. Field practicums will be assigned upon recommendation of a student's academic adviser. Thus, a liberal arts background is combined with social work course work to help students develop a common core of knowledge and skills. The educational program and field practicum prepares students for beginning level social work practice.

EMPLOYMENT OPPORTUNITIES

Graduates will find positions in a wide variety of private or public agencies and organizations. Employment opportunities are available in child welfare services, youth courts, health departments, domestic abuse centers, adolescent and children's group homes, mental health centers, departments of public welfare, nursing homes, and hospitals.

STRUCTURAL CHANGES

The undergraduate emphasis in social work was transferred form the Department of Sociology and Anthropology to the School of Social Work effective July 1, 1988. The School of Social Work is in the process of applying to the Council on Social Work Education (CSWE) for an accredited Bachelor of Social Work (BSW) undergraduate program.

ADVISEMENT

The current curriculum will be modified and all social work students are required to obtain the consent of their adviser prior to registering for classes. Required social work courses in Sociology are SOC 101 and SOC 240. The required social work courses are SWK 230, SWK 320, SWK 330, SWK 331, and SWK 430. Current information can be obtained from the School of Social Work, 201 McLemore Hall, 266-4163.

REQUIREMENTS FOR A MAJOR IN SOCIOLOGY

Social Work Emphasis

BACHELOR OF ARTS DEGREE

FRESHMAN YEAR	SEM. HRS.
ENG 101, 102	6
Foreign Language (200 level or above; additional hours below the 200 level may be required, depending on placement)	6
HIS 101, 102	6
Laboratory Science	8
MAT 101 or higher level	3
PED 105	1
SOC 101	3
	33

SOPHOMORE YEAR	SEM. HRS.
ANT 101 or 221	3
ENG 203 plus an additional course chosen from ENG 200, 201, 202, 203, 205, 350, 351, 370, 371; FL 305; HUM 333 or 353	6
Elective	3
Fine Arts: AA 100, ART 130, DAN 107, MUS 365, or THE 100	3
FN 167	1
GHY 101, 102, 331, 341; or PS 101, 220, 331, or 425	3
Science or Mathematics Elective: Laboratory Science; Mathematics; FN 362; GHY 325	3
PHI 253, 458; or SCM 111, 305, 330	3
PHI 151 or REL 131	3
SOC 240	3
	31

JUNIOR YEAR	SEM. HRS.
Electives	7
Humanities Elective: AMS 303 or 404; Foreign Language; HIS 140, 141; or Literature	3
Minor	9
Sociology Electives	6
SWK 230. 320	6
	31

SENIOR YEAR	SEM. HRS.
ENG 332 or 333	3
Minor	9
SOC 450, 462	6
SWK 330, 331,	6
SWK 430	9
	33

TOTAL: 128

BACHELOR OF SCIENCE DEGREE

FRESHMAN YEAR	SEM. HRS.
ANT 101 or 102	3
ENG 101, 102	6
HIS 101, 102	6
Laboratory Science	8
MAT 101 or higher level	3
PED 105	1
PSY 110	3
SOC 101	3
	33

SOPHOMORE YEAR	SEM. HRS.
ENG 203 plus an additional course chosen from ENG 200, 201, 202, 203, 205, 350, 351, 370, 371; FL 305; HUM 333 or 353	6
Fine Arts: AA 100, ART 130, DAN 170, MUS 365, or THE 100	3
FN 167	1
Humanities Elective: AMS 304 or 404; HIS 140 or 141; Literature; PHI 151 or 462; REL 131	3
Social Science Electives: (9 hours chosen from at least three areas) ANT 101 or 221; ECO 200 or 255; GHY 101, 102, 331, or 341; PSY 110 or 375; PS 101, 220, 331, or 425	9
Science or Mathematics Elective: ESC 301; FN 362; GHY 325; Laboratory Science; Mathematics	3
SCM 111, 305, or 330	3
SOC 240	3
	31

JUNIOR YEAR	SEM. HRS.
Electives	10
Minor	9
Sociology Electives	6
SWK 230, 330	6
	31

SENIOR YEAR	SEM. HRS.
ENG 332 or 333	3
Minor	9
SOC 450, 462	6
SWK 330, 331	6
SWK 430	9
	33
TOTAL:	128

COLLEGE OF LIBERAL ARTS
ACADEMIC OFFERINGS
1989-1990

School/Department/Program	Major	Degree****
SCHOOL OF COMMUNICATION		
ADVERTISING (P)***		
	ADVERTISING	BA,BS
COMMUNICATION (P)***		
	COMMUNICATION*	BA,BS
JOURNALISM		
	JOURNALISM*	BA,BS
	Journalism Education Emphasis	
	News-Editorial Emphasis	
	Photojournalism Emphasis	
	Public Relations Emphasis	
RADIO, TELEVISION, AND FILM		
	RADIO, TELEVISION, AND FILM	BA,BS
	Broadcast Journalism Emphasis	
	Broadcast Management and Sales Emphasis	
	Film Emphasis	
	Radio-Television Production Emphasis	
SPEECH COMMUNICATION		
	SPEECH COMMUNICATION*	BA,BS
SCHOOL OF LIBRARY SCIENCE		
	LIBRARY SCIENCE*	BA,BS
	K-12 Certification Emphasis	
	Non-Teaching Emphasis	
SCHOOL OF PUBLIC AND INTERNATIONAL AFFAIRS		
CRIMINAL JUSTICE		
	CRIMINAL JUSTICE*	BA,BS
	Corrections Emphasis	
	Juvenile Justice Emphasis	
	Law Enforcement Emphasis	
ECONOMICS (P)***		
	ECONOMICS	BA
GEOGRAPHY AND AREA DEVELOPMENT		
	COMMUNITY AND REGIONAL PLANNING*	BS
	GEOGRAPHY*	BA,BS
	Cartography/Remote Sensing Emphasis	
INTERNATIONAL STUDIES (P)***		
	INTERNATIONAL STUDIES*	BA
PARALEGAL STUDIES (P)***		
	PARALEGAL STUDIES*	BA,BS
POLITICAL SCIENCE		
	POLITICAL SCIENCE*	BA,BS
	(PRE-LAW)**	
AEROSPACE STUDIES		

AMERICAN STUDIES (P)*****		
	AMERICAN STUDIES*	BA,BS
ENGLISH		
	ENGLISH*	BA,BS
	Linguistics Emphasis	
FOREIGN LANGUAGES AND LITERATURES		
	FOREIGN LANGUAGES*	BA
	(HUMANITIES)***	
HISTORY		
	HISTORY*	BA,BS
MILITARY SCIENCE		
PHILOSOPHY AND RELIGION		
	PHILOSOPHY*	BA,BS
	Religion Emphasis	
SOCIAL STUDIES (P)*****		
	SOCIAL STUDIES*	BS
SOCIOLOGY AND ANTHROPOLOGY		
	ANTHROPOLOGY*	BA, BS
	(ASIAN STUDIES)***	
	SOCIOLOGY*	BA, BS
SPEECH AND HEARING SCIENCES		
	EDUCATION OF THE DEAF*	BA, BS
	SPEECH-LANGUAGE PATHOLOGY AND AUDIOLOGY*	BA, BS

*Minor Available

**This program does not lead to a degree. Students completing pre-professional programs will select an academic major with an emphasis in the appropriate pre-professional area.

***Minor Only Available

****Degree Abbreviations: (BA) Bachelor of Arts, (BS) Bachelor of Science

*****(P) Programs

COLLEGE OF LIBERAL ARTS

Glenn T. Harper, Dean
Stanley R. Hauer, Assistant Dean
Hattiesburg, MS 39406-5004
(601) 266-4315

The College of Liberal Arts provides a broad cultural and educational experience to help students acquire the means of making self-education the rewarding enterprise of a lifetime as well as to guide them in their preparation to serve both society and their own self-interests productively and responsibly. Students are encouraged to widen their interests, to develop mature habits of observation and reading in the major areas of mankind's cultural heritage, and to learn to think logically, communicate effectively, and judge wisely.

As the chart of academic offerings on the previous pages shows, the College of Liberal Arts is organized into three schools and fourteen departments. There are also a number of separate interdisciplinary programs. In the sections below, the three schools are presented first (Communication, Library Science, and Public and International Affairs), with their constituent departments under the school rubrics. Except for Aerospace Studies and Military Science, all programs offer an academic major and/or minor. Most units also have graduate programs, for descriptions of which please consult the **Graduate Bulletin**.

High school graduates and transfer students from community/junior colleges or other four year colleges may be admitted directly to the College of Liberal Arts and to their chosen degree programs. Students desiring to transfer from another school or college within the University must be in good academic standing; normally they must present a minimum GPA of 2.0 in order to be admitted to a degree program. Students entering the College will be assigned to the appropriate faculty member for academic advisement.

GENERAL EDUCATION REQUIREMENTS FOR THE BACHELOR OF ARTS DEGREE IN THE COLLEGE OF LIBERAL ARTS

		HOURS
I.	**Reasoning and Communication Skills** (12 hours)	
	ENG 101, 102	6
	MAT 101 or higher level mathematics	3
	SCM 111, 305, or 330; or PHI 253 or 458	3
II.	**Humanities and Fine Arts** (33 hours)	
	ENG 203	3
	Fine Arts (AA 100, ART 130, MUS 365, DAN 107, or THE 100)	3
	Foreign Language (12 hours of a single language; as few as six hours may suffice depending upon placement)	12
	HIS 101 and 102	6
	Humanities Elective: AMS 304 or 404; HIS 140 or 141, Literature (see listing below)	3
	Literature Elective: ENG 200, 201, 202, 205, 350, 351, 370, 371; FL 305; HUM 310, 320, 333, 340, 353, 370	3
	PHI 151 or REL 131	3
III.	**Social and Behavioral Sciences** (12 hours)	
	Twelve hours chosen from any of the following, with no more than three hours from any one discipline: ANT 101 or 221; ECO 255; GHY 101, 102, 331, or 341; PS 101, 220, 331, or 425; PSY 110/110L; SOC 101, 240, or 314	12
IV.	**Natural and Applied Sciences (11 hours)**	
	Laboratory Science (recommended courses include AST 111/111L, 112/112L; BSC 103/103L; CHE 104/104L; and GLY 101/101L; but any Laboratory Science approved in the General Education Curriculum will suffice)	8
	Science or Mathematics Elective: any Category IV elective	3
V.	**Human Wellness (2 hours)**	
	FN 167	1
	PED 105	1
	TOTAL:	70

GENERAL EDUCATION REQUIREMENTS FOR THE BACHELOR OF SCIENCE DEGREE IN THE COLLEGE OF LIBERAL ARTS

		HOURS
I.	**Reasoning and Communication Skills (15 hours)**	
	ENG 101, 102, and ENG 332 or 333	9
	MAT 101 or higher level mathematics	3
	SCM 111, 305, or 330; PHI 253 or 458	3
II.	**Humanities and Fine Arts (27 hours)**	
	ENG 203	3
	Fine Arts (AA 100, ART 130, MUS 365, DAN 107, or THE 100)	3
	Foreign Language (6 hours of a single language; fewer hours may suffice depending upon placement)	6
	HIS 101 and 102	6
	Humanities Elective: AMS 304 or 404; HIS 140 or 141, Literature (see listing below)	3
	Literature Elective: ENG 200, 201, 202, 205, 350, 351, 370, 371; FL 305; HUM 310, 320, 333, 340, 353, 370	3
	PHI 151 or REL 131	3
III.	**Social and Behavioral Sciences** (15 hours)	
	Twelve hours chosen from any of the following, with no more than three hours from any one discipline: ANT 101, 221; GHY 101, 102, 331, or 341; PS 101, 220, 331, or 425; SOC 101, 240, or 314	12
	Three hours chosen from any of the following: ANT 101, 221; ECO 255; GHY 101, 102, 331, 341; PS 101, 220, 331, 425; PSY 110/110L; SOC 101, 240, 314	3
IV.	**Natural and Applied Sciences (11 hours)**	
	Laboratory Science (recommended courses include AST 111/111L, 112/112L; BSC 103/103L; CHE 104/104L; GLY 101/101L; but any Laboratory Science approved in the General Education Curriculum will suffice)	8
	Science or Mathematics Elective: any Category IV elective	3
V.	**Human Wellness (2 hours)**	
	FN 167	1
	PED 105	1
	TOTAL:	70

SECONDARY TEACHER CERTIFICATION

A student in the College of Liberal Arts seeking certification at the secondary level must satisfy the core requirements of not only the College of Liberal Arts but also the College of Education and Psychology. In addition he or she must complete thirty-two (32) hours of professional education courses: in the first semester of the junior year REF 400 and PSY 469, followed in the second semester by SPE 400 and REF 469; in the first semester of the senior year CIS 474, CIS 475, and an Area Methods course, followed by a second semester of Student Teaching (carrying twelve hours credit) and CIS 476.

The State Department of Education also provides an alternate route to certification. Any graduate of an accredited college or university who takes and passes the National Teacher's Examination at the 51st percentile may apply for a provisional certificate. If this teacher chooses to earn a full certificate, he or she must then pass the Mississippi Teacher Assessment Instrument and take twelve (12) hours of professional education courses. For details and specific procedures contact:

The Office of Teacher Certification
State Department of Education
Post Office Box 771
Jackson, Mississippi 39205

SCHOOL OF COMMUNICATION

Gene Wiggins, Director
Hattiesburg, Mississippi 39406-5158
(601) 266-5650

The School of Communication is a separately organized entity within the College of Liberal Arts and is comprised of five programs and departments: Advertising, Communication, Journalism, Radio, Television, and Film, and Speech Communication.

ADVERTISING PROGRAM

Donald Avery, Director
Hattiesburg, MS 39406-5121
(601) 266-4264

The Department of Journalism offers a major in advertising in association with Radio, Television, and Film and the Department of Marketing.

The Advertising Program and the Department of Journalism are accredited by the Accrediting Council for Journalism and Mass Communication, the national accrediting agency for programs in Journalism and Mass Communication.

The program is designed to teach students the creative and business practices of advertising. Graduates are prepared for professional positions as advertising layout artists, copy writers, media planners, and account executives in the mass media, advertising agencies and advertising departments in business and industry.

Students in the program must complete thirty-three (33) semester hours, but not more than thirty-six (36) semester hours, in Journalism and Radio, Television and Film, including JOU 231, 330, 331, 333, 421, 431, 433; RTF 330, 425. An 18-21 hour minor is required. While the recommended minor is marketing, with the approval of their adviser, students may minor in another area. However, students in the Advertising Program may not minor in Journalism or Radio, Television and Film. Recommended courses for the Marketing minor are MKT 300, 322, 330, 365, 458, plus one course chosen from MKT 342, 430, 495. Advertising majors may not receive credit for MKT 355 or 455. Courses for other minors are chosen in consultation with the adviser. A statistics course is required of all students in the program. Students must choose one course from CSS 211, ECO 301, PSY 360, SOC 460.

Students majoring in advertising must understand that typing ability is essential. Those without typing skills should plan to take typing early in the program.

REQUIREMENTS FOR A MAJOR IN ADVERTISING

Bachelor of Arts Degree

FRESHMAN YEAR	SEM. HRS.
ENG 101, 102, 203	9
FN 167, PED 105	2
Foreign Language	6
HIS 101, 102	6
Laboratory Sciences	8
MAT 101 or higher level	3
	34

SOPHOMORE YEAR	SEM. HRS.
Fine Arts	3
Foreign Language	6
Humanities Elective	3
JOU 231, 330	6
Logic or Speech Communication	3
PHI 151 or REL 131	3
Science or Math Elective	3
Social/Behavioral Sciences	6
	33

JUNIOR YEAR	SEM. HRS.
CSS 211, ECO 301, PSY 360, or SOC 460	3
JOU 331, 333	6
Literature Elective	3
Minor Courses	9
RTF 330	3
Social/Behavioral Sciences	6
	30

SENIOR YEAR	SEM. HRS.
Elective	1
Electives in Major	9
JOU 421, 431, 433	9
Minor Courses	9
RTF 425	3
	31

Bachelor of Science Degree

FRESHMAN YEAR	SEM. HRS.
ENG 101, 102, 203	9
FN 167, PED 105	2
Foreign Language	6
HIS 101, 102	6
Laboratory Science	8
MAT 101 or higher level	3
	34

SOPHOMORE YEAR	SEM. HRS.
Fine Arts	3
Humanities Elective	3
JOU 231, 330	6
Literature Elective	3
Logic or Speech Communication	3
PHI 151 or REL 131	3
Science or Mathematics	3
Social/Behavioral Sciences	9
	33

JUNIOR YEAR	SEM. HRS.
CSS 211, ECO 301, PSY 360, or SOC 460	3
ENG 332 or 333	3
JOU 331, 333	6
Minor Courses	9
RTF 330	3
Social/Behavioral Sciences	6
	30

SENIOR YEAR	SEM. HRS.
Elective	1
Electives in Major	9
JOU 421, 431, 433	9
Minor Courses	9
RTF 425	3
	31

COMMUNICATION PROGRAM

Keith V. Erickson, Director
Hattiesburg, MS 39406-5131
(601) 266-4271

The Communication Program offers an interdisciplinary major and minor involving the Departments of Speech Communication, Journalism, and Radio, Television, and Film. It is designed to prepare students for careers as communication specialists within business and industrial organizations, government agencies, trade and professional associations, or public institutions. A broad background in liberal arts and social sciences is recommended, and students are advised to concentrate their electives in these areas. A minor is not required for the Communication major.

REQUIREMENTS FOR A MAJOR IN COMMUNICATION (P)

Bachelor of Arts Degree

FRESHMAN YEAR	SEM. HRS.
ENG 101 and 102	6
Fine Arts	3
FN 167	1
HIS 101 and 102	6
Laboratory Science	8
Mathematics (101 or higher)	3
PED 105	1
SCM 111 or PHI 253	3
	31

SOPHOMORE YEAR	SEM. HRS.
PHI 151 or REL 131	3
Foreign Language (12 hours of a single language; as few as six hours may suffice depending upon placement)	12
Literature (ENG 203 and an additional 200- or 300-level course)	6
Social Sciences (no more than three hours from any one area: Anthropology, Economics, Geography, Political Science, Psychology, Sociology)	12
	33

JUNIOR YEAR	SEM. HRS.
JOU 202 and 421	6
Science or Mathematics Elective	3
Humanities Elective: American Studies, History or Literature Elective	3
RTF 101 and 140 or 171	6
Radio, Television, and Film Electives (Select 6 hours from RTF 407, 448, 460, 480, 481)	6
SCM 305, 311	6
Speech Communication Elective (Select 3 hours from SCM 312, 350, 405, 430, 450, 490)	3
	33

SENIOR YEAR	SEM. HRS.
SCM 330	3
Speech Communication Elective (Select 3 hours from SCM 403, 410, 420, 425, 440)	3
Speech Communication Elective (Select 3 hours from SCM 303, 315, 415)	3
Radio, Television, and Film Electives (Select 6 hours from RTF 370 or 470, 473, 478, 479)	6
JOU 231 and 241/241L	7
Journalism Electives (Select 6 hours from JOU 203, 301, 311, 312, 342, 346, 425, 450, 460)	6
General Elective	3
	31
TOTAL:	128

Bachelor of Science Degree

FRESHMAN YEAR	SEM. HRS.
ENG 101 and 102	6
PHI 151 or REL 131	3
FN 167	1
HIS 101 and 102	6
Laboratory Science	8
Mathematics (101 or higher level)	3
PED 105	1
Social Science (3 hours chosen from Anthropology, Economics, Geography, Psychology, Political Science, or Sociology)	3
	31

SOPHOMORE YEAR	SEM. HRS.
Humanities Elective: American Studies, History, or Literature	3
Fine Arts	3
Foreign Language (6 hours of a single language)	6
Literature (ENG 203 and an additional 200- or 300-level course)	6
SCM 111 or PHI 253	3
Social Science (no more than 3 hours from any one area: Anthropology, Geography, Political Science, and Sociology)	12
	33

JUNIOR YEAR	SEM. HRS.
ENG 332 or 333	3
Science or Mathematics Elective	3
RTF 101 and 140 or 171	6
Radio, Television and Film Electives (Select 6 hours from RTF 407, 448, 460, 480, 481)	6
SCM 305, 311	6
Speech Communication Elective (Select 3 hours from SCM 312, 350, 405, 430, 450, 490)	3
	33

SENIOR YEAR	SEM. HRS.
SCM 330	3
Speech Communication Elective (Select 3 hours from SCM 403, 410, 420, 425, 440)	3
Speech Communication Elective (Select 3 hours from SCM 303, 315, 415)	3
Radio, Television, and Film Electives (Select 6 hours from RTF 370 or 470, 473, 478, 479)	6
JOU 231 and 241/241L	7
Journalism Electives (Select 6 hours from JOU 203, 301, 311, 312, 342, 346, 425, 450, 460)	6
General Elective	3
	31
TOTAL:	128

Requirements for a Minor in Communication

Students pursuing a minor in Communication must complete eighteen (18) hours, including at least six (6) at the junior or senior level. Students must take two courses in Journalism, two courses in Radio, Television, and Film, and two courses in Speech Communication.

DEPARTMENT OF JOURNALISM

Dennis R. Jones, Chair
Hattiesburg, MS 39406-5121
(601) 266-4258

Avery, Bishop, Kaul, Warren, E. Wheeler, Wiggins

The objective of the Department of Journalism is to teach students professional and theoretical concepts and to develop their technical skills to enable them to be productive and responsible contributors in the field of journalism. The program emphasizes the basics of reporting, writing, editing, and taking and developing pictures, but professional preparation also requires an understanding of the history and legal, ethical, and social responsibility of journalism. The department strives to achieve an integration of practice and theory in its courses.

The Department of Journalism and its emphasis areas of news/editorial, photojournalism, and public relations are accredited by the Accrediting Council for Journalism and Mass Communication, the national accrediting agency for programs in Journalism and Mass Communication.

The department offers a choice of four emphasis areas of study: News/Editorial, Photojournalism, Public Relations, and Journalism Education; and it administers an interdisciplinary Advertising degree program. These are designed to prepare students for a variety of career positions, including news reporting and editing, writing, photojournalism, advertising, public relations, and journalism education.

The faculty strongly believes students should have a broad cultural education in the humanities and social sciences to go with their professional preparation so they can serve society, as well as their own self-interests, productively and responsibly. Thus, students are limited to thirty-seven (37) semester hours in the Department of Journalism. From course work taken outside of the department, in consultation with their advisers, students must develop a minor area or a second major.

COMMON REQUIREMENTS FOR A MAJOR IN JOURNALISM

A student majoring in Journalism will work toward either the Bachelor of Arts or the Bachelor of Science degree. Working closely with an adviser, the student will select course work to fit his educational goal and selected emphasis area of study. All students pursuing a major in Journalism must complete the following requirements, which include a minimum of thirty (30) semester hours, but not more than thirty-seven (37) semester hours in journalism and/or radio-television-film:

	SEM. HRS.
General Core for the College of Liberal Arts	70
Major Requirements	30-37
Minor Requirements	18
Electives (Non-journalism)	3-10
TOTAL:	128

Any student expecting to take courses in journalism should understand that a typing capability is essential. Those students with no typing skills should plan to take typing before taking any journalism courses.

All majors in the News/Editorial emphasis are expected to do practical work on *The Student Printz*. Others are invited to participate in the publication of the newspaper.

REQUIREMENTS FOR A MAJOR IN JOURNALISM

Bachelor of Arts Degree

FRESHMAN YEAR	SEM. HRS.
ENG 101, 102, 203	9
FN 167, PED 105	2
Foreign Language	6
HIS 101, 102	6
Laboratory Sciences	8
MAT 101 or higher level	3
	34

SOPHOMORE YEAR	SEM. HRS.
Fine Arts	3
Foreign Language	6
Humanities Elective	3
JOU 202, 241/241L	7
Logic or Speech Communication	3
PHI 151 or REL 131	3
Science or Math Elective	3
Social/Behavioral Sciences	6
	34

Bachelor of Science Degree

FRESHMAN YEAR	SEM. HRS.
ENG 101, 102, 203	9
FN 167, PED 105	2
Foreign Language	6
HIS 101, 102	6
Laboratory Science	8
MAT 101 or higher level	3
	34

SOPHOMORE YEAR	SEM. HRS.
Fine Arts	3
Humanities Elective	3
JOU 202, 241/241L	7
Literature Elective	3
Logic or Speech Communication	3
PHI 151 or REL 131	3
Science or Mathematics	3
Social/Behavioral Sciences	9
	34

Requirements for an Emphasis in Journalism Education

With Secondary Certificate

The Journalism Education Program is designed to prepare students academically and professionally to teach journalism and supervise publications on the secondary level and to pursue graduate-level study. The journalism major working toward the Bachelor of Science teaching degree must meet general and professional certification requirements, including a minor in secondary education. Prospective majors should contact an adviser in both Journalism and Secondary Education as soon as is practical after enrolling in this program.

Students in this program must complete thirty (30) semester hours, but not more than thirty-seven (37) hours in Journalism, including JOU 202, 203, 241/241L, 303, 311, 313, 402, 405, and 460. A typical program of study is outlined below.

Bachelor of Arts Degree

JUNIOR YEAR	SEM. HRS.
CIS 465	3
JOU 203, 303, 311, 313	12
Literature Elective	3
Minor Courses	9
Social/Behavioral Sciences	6
	33

SENIOR YEAR	SEM. HRS.
CIS 494	12
JOU 402, 405, 460	9
JOU 421, 450, or 452	3
Minor Courses	9
	33

Bachelor of Science Degree

JUNIOR YEAR	SEM. HRS.
CIS 465	3
ENG 332 or 333	3
JOU 203, 303, 311, 313	12
Minor Courses	9
Social/Behavioral Sciences	6
	33

SENIOR YEAR	SEM. HRS.
CIS 494	12
JOU 402, 405, 460	9
JOU 421, 450, or 452	3
Minor Courses	9
	33

Requirements for an Emphasis in News/Editorial

The News/Editorial Program is designed to prepare students for positions in the news media as reporters, editors, and writers. Students in this emphasis must complete thirty (30) semester hours, but not more than thirty-seven (37) semester hours in Journalism, including JOU 202, 203, 241/241L, 303, 311, 313, 402, 450, 460, and 470. From elective course work taken outside the Journalism Department, students are advised to develop an area of concentration that supports and enhances their educational and professional goals.

A typical program of study is outlined below:

Bachelor of Arts Degree

JUNIOR YEAR	SEM. HRS.	SENIOR YEAR	SEM. HRS.
JOU 203, 303, 311, 313	12	Elective Course	3
Literature Elective	3	JOU 402, 450, 460, 470	12
Major Elective	3	Major Elective	3
Minor Courses	6	Minor Courses	12
Social/Behavioral Sciences	6		
	30		30

Bachelor of Science Degree

JUNIOR YEAR	SEM. HRS.	SENIOR YEAR	SEM. HRS.
ENG 332 or 333	3	Elective Course	3
JOU 203, 303, 311, 313	12	JOU 402, 450, 460, 470	12
Major Elective	3	Major Elective	3
Minor Courses	6	Minor Courses	12
Social/Behavioral Sciences	6		
	30		30

Requirements for an Emphasis in Photojournalism

The Photojournalism emphasis is designed to teach students how to communicate visually, effectively, and responsibly, and it prepares them for professional positions as photographers and photographic editors in the mass media.

Students in this emphasis must complete thirty (30) semester hours, but not more than thirty-seven (37) semester hours in Journalism, including JOU 202, 203 or 301, 241/241L, 242/242L, 340/340L, 342, 346/346L, 441/441L, and 443. From elective course work taken outside the Journalism Department, students are advised to develop an area of concentration that supports and enhances their educational and professional goals.

A typical program of study is outlined below:

Bachelor of Arts Degree

JUNIOR YEAR	SEM. HRS.	SENIOR YEAR	SEM. HRS.
JOU 203 or 301	3	Elective	3
JOU 242/242L, 340/340L, 342	11	JOU 346/346L, 441/441L, 443	11
Literature Elective	3	Major Electives	5
Minor Courses	6	Minor Courses	12
Social/Behavioral Sciences	6		
	29		31

Bachelor of Science Degree

JUNIOR YEAR	SEM. HRS.	SENIOR YEAR	SEM. HRS.
ENG 332 or 333	3	Elective	3
JOU 203 or 301	3	JOU 346/346L, 441/441L, 443	11
JOU 242/242L, 340/340L, 342	11	Major Electives	5
Minor Courses	6	Minor Courses	12
Social/Behavioral Sciences	6		
	29		31

Requirements for an Emphasis in Public Relations

This program of study is designed to prepare students for careers as public relations practitioners and consultants in business and industry, non-profit organizations, educational institutions, and governmental agencies.

Students in this program must complete thirty (30) semester hours, but not more than thirty-seven (37) semester hours of Journalism, including JOU 202, 203, 231 or 301, 241/241L, 311, 421, 422, 425, and 428. Because of the interdisciplinary nature of the field of public relations, students are advised to take courses in other areas of communication. A business background also is essential for the public relations practitioner. A minor in Marketing, Management, Finance, Economics or General Business is recommended.

A typical program of study is outlined below:

Bachelor of Arts Degree

JUNIOR YEAR	SEM. HRS.	SENIOR YEAR	SEM. HRS.
JOU 203	3	Elective	3
JOU 231 or 301	3	JOU 422, 425, 428	9
JOU 311, 421	6	Major Electives	9
Literature Elective	3	Minor Courses	9
Minor Courses	9		
Social/Behavioral Sciences	6		
	30		30

Bachelor of Science Degree

JUNIOR YEAR	SEM. HRS.	SENIOR YEAR	SEM. HRS.
ENG 332 or 333	3	Elective	3
JOU 203	3	JOU 422, 425, 428	9
JOU 231 or 301	3	Major Electives	9
JOU 311, 421	6	Minor Courses	9
Minor Courses	9		
Social/Behavioral Sciences	6		
	30		30

Requirements for a Minor in Journalism

All students pursuing a minor in Journalism must complete a minimum of (18) eighteen semester hours of Journalism courses. Courses recommended to meet this standard are:

JOU 202, 241/241L, 203 ..... 9 hours
If emphasizing news/editorial, select the remaining courses from:
JOU 303, 311, 313, 402, 450 and 460 ..... 9 hours
If emphasizing photojournalism, select the remaining courses from:
JOU 242/242L, 340/340L, 342, 346/346L and 441/441L ..... 9 hours
If emphasizing public relations, select the remaining courses from:
JOU 421, 422, 425 and 428 ..... 9 hours

DEPARTMENT OF RADIO, TELEVISION, AND FILM

David H. Goff, Chair
Hattiesburg, MS 39406-5141
(601) 266-4281

R. B. Cade, Hall, Haque, Holgate, Mims, Norman, Webster

The Department of Radio, Television, and Film offers preparation for professional employment in the diverse film and electronic media industries. The one constant that characterizes these fields is change. Therefore, the department strives to equip students with more than current career skills. The total program emphasizes the broader skills which prepare students for the continuing self-education required to meet the challenge of change in one's life and in one's career.

Students majoring in Radio, Television, and Film select one of four emphasis areas. Broadcast Journalism prepares students to enter the challenging and competitive field of radio and television news. The Broadcast Management and Sales emphasis is for those who wish to learn about the selling and administration of electronic media advertising. Traditionally career paths to top-level media management begin in advertising sales. The Film emphasis is designed to prepare students for positions with large and small motion picture production companies, film units within television operations, federal or state agency production units, or for self-employment as an independent producer, director, or production specialist. The Radio-Television Production emphasis is intended for those who wish to pursue careers in any aspect of radio or television production and direction. In addition to broadcast stations and cable television, a growing number of corporations, medical centers, and other institutions operate television production centers.

The Bachelor of Arts or Bachelor of Science degree may be earned regardless of emphasis area. In addition to the curriculum for RTF majors, the department provides instructional support to interdisciplinary programs in Advertising and Communication.

An Internship Program (RTF 303) is available for RTF majors who meet specific qualifications, and provides a unique opportunity for supervised experiential learning in a professional setting. To qualify for the program, an RTF major must have completed all but nine hours of major course work with a B average in RTF courses and an overall GPA of 2.5. Eligible students must submit an internship application to the department chair prior to the midpoint of the semester preceding the requested internship. Students employed by a film or electronic media firm cannot receive academic credit for work they are already doing for pay.

GENERAL DEGREE REQUIREMENTS

The major in Radio, Television, and Film consists of 36 semester hours of course work. A grade of C or better must be earned in all sequential production courses and in the Broadcast Journalism sequence. For example, in the Television Production sequence (RTF 140, 340, 440, 447), a student must earn at least a C in RTF 140 before advancing to RTF 340, etc. The Radio Production sequence is RTF 171, 371, 375, 377, 471, 477; the Broadcast Journalism sequence is JOU 202, RTF 302, 304, 305, 402.

All Radio, Television, and Film majors are required to complete the following:

	HOURS
General Education Requirement for the College of Liberal Arts	70
RTF Major (RTF 111, 140 plus Emphasis courses outlined below)	36
Minor (RTF majors may not select Advertising, Communication, or Journalism)	18

NOTE: All students must complete a minimum of 128 semester hours with at least 45 semester hours at the 300 or 400 level.

REQUIREMENTS FOR A MAJOR IN RADIO, TELEVISION, AND FILM

Bachelor of Arts Degree

FRESHMAN YEAR	SEM. HRS.	SOPHOMORE YEAR	SEM. HRS.
ENG 101, 102	6	ENG 203	3
FN 167	1	Fine Arts	3
Foreign Language	6	Foreign Language	6
HIS 101, 102	6	Humanities Elective	3
Laboratory Science	8	Literature Elective	3
MAT 101 (or higher)	3	PHI 151 or REL 131	3
PED 105	1	RTF (111 or 140)	3
RTF (111 or 140)	3	Science or Math Elective	3
		Social Science*	6
		Speech Communication	3
	34		36

*NOTE: Students in the Broadcast Journalism EMPHASIS should take JOU 202 in the sophomore year, shifting one Social Science course to the Junior Year.

Bachelor of Science Degree

FRESHMAN YEAR	SEM. HRS.
ENG 101, 102	6
FN 167	1
Foreign Langauge	6
HIS 101, 102	6
Laboratory Science	8
MAT (101 or higher)	3
PED 105	1
RTF (111 or 140)	3
	34

SOPHOMORE YEAR	SEM. HRS.
ENG 203	3
Fine Arts	3
Humanities Elective	3
Literature Elective	3
PHI 151 or REl 131	3
RTF (111 or 140)	3
Science or Math Elective	3
Social Science*	12
Speech Communication	3
	36

*NOTE: Students in the Broadcast Journalism Emphasis should take JOU 202 in the sophomore year, shifting one Social Science course to the Junior Year.

Requirements for an Emphasis in Broadcast Journalism

Students emphasinzing Broadcast Journalism must complete the following requirements in addition to those listed under GENERAL DEGREE REQUIREMENTS above. Typing or keyboarding proficiency is a prerequisite skill. In addition, JOU 202 is a required course in this emphasis and must be taken before beginning the Broadcast Journalism sequence.

JUNIOR YEAR	SEM. HRS.
*Remaining College Core	6-9
*BA Degree: Social Science	3-6
*BS Degree: ENG 332 or 333 and Social Science	3-6
Minor Area	9
RTF 101, 302, 304, 360, 407	15
	30-33

SENIOR YEAR	SEM. HRS.
Electives	7-9
Minor Area	9
RTF 305, 402, and 6 hrs. selected from RTF 303 or 418, 448, 460, 480, 481, 492, 499, or an approved substitute	12
	28-30

Requirements for an Emphasis in Broadcast Management and Sales

Students emphasizing Broadcast Management and Sales must complete the following requirements in addition to those listed under GENERAL DEGREE REQUIREMENTS above.

JUNIOR YEAR	SEM. HRS.
*Remaining College Core	6
*BA Degree: Social Science	6
*BS Degree: ENG 332 or 333 and Social Science	3
Minor Area	9
RTF 101, 330, 360, 407, 442	15
	30

SENIOR YEAR	SEM. HRS.
Electives	4-6
Minor Area	9
RTF 416, 425, 431, and 6 hrs. selected from RTF 303, 448, 460, 480, 481, 492, 499, or an approved substitute	15
	28-30

Requirements for an Emphasis in Film

Students emphasizing Film must complete the following requirements in addition to those listed under GENERAL DEGREE REQUIREMENTS above.

JUNIOR YEAR	SEM. HRS.
*Remaining College Core	6
*BA Degree: Social Science	6
*BS Degree: ENG 332 or 333 and Social Science	3
Minor Area	9
RTF 171, 371, 472, 479, Film Elective	15

SENIOR YEAR	SEM. HRS.
Electives	4-6
Minor Area	9
RTF 375, 377, 471, 477 or approved substitute, Film Elective (Film Electives are RTF 303 or 418, 370 or 470, 373, 473, 474, 475, 476, 478, 492, or an approved substitute.)	15
	28-30

Requirements for an Emphasis in Radio-Television Production

JUNIOR YEAR	SEM. HRS.
*Remaining College Core	6
*BA Degree: Social Science	6
*BS Degree: ENG 332 or 333	3
and Social Science	3
Minor Area	9
RTF 101, 171, 340, 360, 442	15
	30

SENIOR YEAR	SEM. HRS.
Electives	4-6
Minor Area	9
RTF 440, 447, 460, and 6 hrs. selected from RTF 303 or 418, 407, 448, 479, 480, 481, 492, 499 or an approved substitute	15
	28-30

Requirements for a Minor in Radio, Television, and Film

All students wishing to minor in Radio, Television, and Film must complete eighteen (18) semester hours of RTF courses as follows:

	Hours
RTF 101	3
RTF (Two courses selected from 111, 140, 171)	6
RTF Electives (may include only one additional radio, television, or film production course)	9
	18

DEPARTMENT OF SPEECH COMMUNICATION

Keith V. Erickson, Chair
Hattiesburg, MS 39406-5131
(601) 266-4271

Conville, V. Covington, Gwin, L. Goff, Hosman, Siltanen, Tardy, F. Tucker

The discipline of Speech Communication traces its lineage to the study of rhetoric in ancient Greece and Rome. The centrality of Speech Communication to our lives was noted twenty-four hundred years ago by the Greek rhetorician Isocrates when he observed, "There is no institution devised by man which the power of speech has not helped us to establish." Moreover, modern theorists agree that the fundamental human relationships in our culture are conducted through speech communication.

Speech Communication has as its focus the normal processes of oral, face to face, human interaction. The faculty of Speech Communication are committed to the instruction of students to enhance their understanding of and skill in speech communication, and to the conduct of original research so that their own understanding of speech communication and that of their colleagues may be advanced.

The Department of Speech Communication offers the Bachelor of Arts and the Bachelor of Science degrees. Speech Communication majors planning to teach in high school should choose the Speech Communication major with secondary certification. These options are explained in detail below.

The course schedules presented below are intended to aid in planning programs of study here at the University. While students may not take the designated courses at the designated times, the course schedules do provide a clear picture of what is expected.

REQUIREMENTS FOR A MAJOR IN SPEECH COMMUNICATION

The Speech Communication major may be used to achieve three different goals: (1) it is an appropriate major for the student who wants a versatile, liberal arts education; (2) it is a good foundation for graduate or professional school; and (3) it is an effective preparation for careers in business, industry, and government.

Recent graduates have found rewarding employment in sales, personnel, public relations and management. Others have gone to law school, seminary, or graduate school in communication.

AN OUTLINE OF THE SPEECH COMMUNICATION MAJOR

Students are to complete a minimum of thirty-six (36) hours as specified below

I. Core (15 hours):

SCM 111	Oral Communication
SCM 305	Interpersonal Communication
SCM 311	Persuasion
SCM 330	Small Group Communication
SCM 450	Seminar in Speech Communication

II. Electives (21 hours):

SCM 210	Voice and Diction
SCM 303	Argumentation and Debate
SCM 312	Interviewing
SCM 315	Advanced Public Speaking
SCM 320	Business and Professional Speaking
SCM 350	Nonverbal Communication
SCM 403	Political Communication
SCM 405	Relational Communication
SCM 410	Organizational Communication I
SCM 415	Rhetorical Criticism
SCM 417	Practicum, in Speech Communication
SCM 420	Organizational Communication II
SCM 425	Organizational Communication III
SCM 430	Communication and Small Group Decision- Making
SCM 440	Health Communication
SCM 450	Seminar in Speech Communication (may be repeated)
SCM 490	Theories of Speech Communication
SCM 492	Special Problems

Students interested in an organizational communication (business and professional) orientation are advised to include SCM 312, 320, 350, 410, 420, 425, and 430 among their elective courses. Complementary minors, such as journalism, general business and management, are arranged in consultation with the major adviser.

BACHELOR OF ARTS DEGREE

FRESHMAN YEAR	SEM. HRS.
ENG 101, 102	6
Foreign Language	12
HIS 101, 102	6
Laboratory Science (recommended courses include AST 111/111L, 112/112L; BSC 103/103L; CHE 104/104L; and GLY 101/101L; but any laboratory science approved in the General Education Curriculum will suffice)	8
SCM 111	3
	35

SOPHOMORE YEAR	SEM. HRS.
Fine Arts (AA 100, ART 130, MUS 365, or THE 100)	3
Human Wellness (FN 167, PED 105)	2
Literature (ENG 203; and an additional course chosen from: ENG 200, 201, 202, 205, 350, 351, 370, 371; FL 305; HUM 333 or 353)	6
MAT 101 or higher level course	3
SCM 305, 330	6
Social Sciences (12 hrs with no more than 3 hrs from any one discipline: ANT 101 or 221; ECO 255; GHY 101, 102, 331, or 341; PS 101, 220, 331, or 425; or SOC 101, 240, or 314)	12
	32

JUNIOR YEAR	SEM. HRS.
Humanities Elective:	
HIS 140 or 141; Literature (see listing above); Foreign Language; or AMS 304 or 404; or HUM 310, 320, 340, 370	3
PHI 253 or 458	3
PHI 151 or REL 131	3
Science or Mathematics Elective:	
Laboratory Science (see listing above), or ESC 301; GHY 325; FN 362; or MAT 103, 112, or 167	3
SCM 311	3
SCM 450	3
Minor Requirements	9
	30

SENIOR YEAR	SEM. HRS.
Speech Communication Electives*	18
Electives	4
Minor requirements	9
	31

*See outline of major on p. 165.

TOTAL: 128

BACHELOR OF SCIENCE DEGREE

FRESHMAN YEAR	SEM. HRS.
ENG 101, 102	6
Foreign Language	6
HIS 101, 102	6
Laboratory Science (recommended courses include AST 111/111L, 112/ 112L; BSC 103/103L; CHE 104/104L; and GLY 101/101L; but any laboratory science approved in the General Education Curriculum will suffice)	8
MAT 101 or higher level course	3
SCM 111, 305	6
	35

SOPHOMORE YEAR	SEM. HRS.
Human Wellness (FN 167, PED 105)	2
Literature (ENG 203 and an additional course choosen from: ENG 200, 201, 202, 205, 350, 351, 370, 371; FL 305; HUM 333 or 353)	6
SCM 311, 330	6
Twelve hours chosen from any of the following, with no more than three hours from any one discipline: ANT 101, 221; GHY 101, 102, 331, 341; PS 101, 220, 331, 425; SOC 101, 240, 314	12
Three hours chosen from: ANT 101, 221; ECO 255; GHY 101, 102, 331, 341; PS 101, 220, 331, 425; PSY 110/110L; SOC 101, 240, 314	3
PHI 151 or REL 131	3
	32

JUNIOR YEAR	SEM. HRS.
ENG 332 or 333	3
Fine Arts (AA 100, ART 130, MUS 365, or THE 100)	3
Humanities Elective: HIS 140 or 141; Literature (see listing above); PHI 151; REL 131; or AMS 304 or 404; HUM 310, 320, 340, 370	3
Science or Mathematics Elective: Laboratory Science (see listing above); ESC 301; GHY 325; or FN 362; or MAT 103, 112, or 167	3
SCM 450	3
SCM Elective	3
Minor Requirements	9
	30

SENIOR YEAR	SEM. HRS.
Speech Communication Electives*	18
Electives*	4
Minor Requirements	9
	31

*See outline of major on p. 165.

TOTAL: 128

REQUIREMENTS FOR A SPEECH COMMUNICATION MAJOR WITH SECONDARY CERTIFICATION

The program outlined below certifies the graduate to teach Speech Communication in grades 7-12. It exceeds the requirements set down by the Mississippi State Department of Education. Note that the minor in Secondary Education also earns NCATE (National Council for Accreditation for Teacher Education) certification. Meeting NCATE requirements carries with it automatic certification in 30 states in addition to Mississippi. Note also that the total hours required by this program exceeds the University minimum of 128 hours. This must be the case in order to maintain a program of the highest quality in the teaching area plus NCATE certification.

BACHELOR OF ARTS DEGREE

FRESHMAN YEAR	SEM. HRS.
ENG 101, 102	6
Foreign Language (200 level or above; additional hours below the 200 level may be required, depending on placement)	6
HIS 101, 102	6
Laboratory Science (recommended courses include AST 111/111L, 112/112L; BSC 103/103L; CHE 104/104L; and GLY 101/101L; but any laboratory science approved in the General Education Curriculum will suffice	8
MAT 101 or higher level	3
SCM 111, 305	6
	35

SOPHOMORE YEAR	SEM. HRS.
Foreign Language	6
Human Wellness (FN 167, PED 105)	2
Humanities Elective: HIS 140 or 141; Literature (see listing below); Foreign Language; or AMS 304 or 404; HUM 310, 320, 340, 370	3
Literature (ENG 203 and an additional course chosen from: ENG 200, 201, 202, 205, 350, 351, 370, 371; FL 305; HUM 333 or 353)	6
PSY 110/110L	3
SCM 303	3
Social Sciences (12 hrs. with no more than 3 hrs from any one discipline: ANT 101 or 221; ECO 255; GHY 101, 102, 331, or 341; PS 101, 220, 331, or 425; or SOC 101, 240 or 314)	12
	35

JUNIOR YEAR	SEM. HRS.
Fine Arts (AA 100, ART 130, MUS 365, or THE 100)	3
PHI 151 or REL 131	3
PSY 374	3
REF 400, 469	6
Science or Mathematics Elective: Laboratory Science (see listing above); ESC 301; GHY 325; or FN 362; or MAT 103, 112, or 167	3
SCM 311, 330	6
SPE 400	3
THE 111, 120	6
	33

SENIOR YEAR	SEM. HRS.
CIS 474, 475, 476,	5
RTF 407	3
SCM 315 or 450	3
SCM 411	3
Student Teaching	12
SCM 459/CIS 459	3
THE 200	5
THE 320	3
	37
TOTAL:	140

BACHELOR OF SCIENCE DEGREE

FRESHMAN YEAR	SEM. HRS.
ENG 101, 102	6
Foreign Language	6
HIS 101	3
Human Wellness (FN 167, PED 105)	2
Humanities Elective: HIS 140 or 141; Literature (see listing below); PHI 151; REL 131; or AMS 304 or 404; HUM 310, 320, 340, 370	3
Laboratory Sciences (recommended courses include AST 111/111L or 112/112L; BSC 103/103L; CHE 104/104L; and GLY 101/101L; but any laboratory science approved in the General Education Curriculum will suffice)	8
MAT 101 or higher level	3
SCM 111	3
	34

SOPHOMORE YEAR	SEM. HRS.
HIS 102	3
Literature (ENG 203 and an additional course chosen from: ENG 200, 201, 202, 205, 350, 351, 370, 371; FL 305; HUM 333 or 353)	6
PSY 110/110L	3
SCM 303, 305, 311	9
Twelve hours chosen from any of the following, with no more than three hours from any one discipline: ANT 101, 221; GHY 101, 102, 331, 341; PS 101, 220, 331, 425; SOC 101, 240, 314	12
Three hours chosen from any of the following : ANT 101, 221; ECO 255; GHY 101, 102, 331, 341; PS 101, 220, 331, 425; PSY 110/110L; SOC 101, 240, 314	3
	36

JUNIOR YEAR	SEM. HRS.
ENG 332 or 333	3
Fine Arts (AA 100, ART 130, MUS 365, or THE 100)	3
PSY 374	3
REF 400, 469	6
RTF 407	3
Science or Mathematics Elective: Laboratory Science (see listing above); ESC 301; GHY 325; or FN 362; or MAT 103, 112, or 167	3
SCM 315 or 450	3
SCM 330	3
SPE 400	3
THE 111, 120	6
	36

SENIOR YEAR	SEM. HRS.
CIS 474, 475, 476	5
PHI 151 or REL 131	3
SCM 411	3
Student Teaching	12
SCM 459/CIS 459	3
THE 200, 320	8
	34
TOTAL:	140

REQUIREMENTS FOR A MINOR IN SPEECH COMMUNICATION

All students pursuing a minor in Speech Communication must complete eighteen (18) semester hours of Speech Communication courses. Courses recommended for the minor are:

	Hours
SCM 305, 330, 410, 450	12
SCM (choose two courses from 312, 320, 350)	6
	18

SCHOOL OF LIBRARY SCIENCE

Jeannine L. Laughlin, Director
Hattiesburg, MS 39406-5146
(601) 266-4228

Boshears, W. Boyd, Greiner, Rodriquez-Buckingham, V. Van Meter, S. Wilson, Wittig, J. Young

The primary purpose of the School of Library Science is to educate students for careers in librarianship and related fields. Emphasizing all media formats, the curriculum prepares future librarians to organize, develop, facilitate, and evaluate print and non-print resources in varying types of libraries.

A student may receive a Bachelor of Arts or Bachelor of Science degree in library science. Both of these degrees may be used to satisfy the requirements for certification as a school library media specialist. Any undergraduate student from the University may minor in library science.

The School cooperates with the University Placement Services in assisting its graduates in finding positions. Students are encouraged to join and support the activities of the Library Science Student Association and the American Library Association and the Mississippi Library Association. Often these professional organizations provide job placement services.

The School of Library Science is an institutional member of the American Library Association, Association for Library and Information Science Education, Mississippi Library Association, and the Southeastern Library Association. The baccalaureate degrees in library science with a teacher certification emphasis are approved by the National Council for Accreditation of Teacher Education. The graduate program in library science is the only master's program in Mississippi accredited by the American Library Association (see the **Graduate Bulletin**).

REQUIREMENTS FOR A MAJOR IN LIBRARY SCIENCE

Any student who satisfies admission requirements to the University through the Office of Admissions is eligible for admission to the School of Library Science. All students majoring in library science must have their major program approved by the director of the School and have a completed program plan on file in the director's office.

During the first two years at the University, the library science major should acquire a broad background of general education in the liberal arts and sciences. Library science courses for the undergraduate major or minor are begun in the junior year and completed in the senior year. Library science majors are advised to concentrate elective hours in one subject field, professional area, or language in order to qualify for better library positions. The student's choice of a degree program should be determined by his or her career goals, certification requirements, and in consultation with a faculty adviser or the director of the School.

Students desiring to prepare for positions in public, college, and special library fields should follow either the general Bachelor of Arts or the Bachelor of Science degree program described below; this requires twenty-five (25) credit hours. General library science majors must also complete the requirements for a minor or a dual major in another field, and sufficient elective hours from any departments of the University to complete the 128 semester hours required for a degree. Students should consult their adviser when planning their minor or dual major.

Students are advised that in order to qualify for many professional positions in the library field, especially those in public, college, and special library fields, a Master of Library Science (MLS) degree is required. This graduate degree can be earned in one additional year of study beyond the BA or BS. See the **Graduate Bulletin** for information on the graduate program in library science.

Certification as a School Library Media Specialist

Students desiring to become public elementary or secondary school librarian-media specialists should follow the applicable Bachelor of Science teacher certification degree program. Certification as a school library media specialist in the State of Mississippi requires a library science major of twenty-seven (27) hours plus thirty-two (32) hours of professional education core courses. Existing teacher education programs as presented in this **Bulletin** are subject to change contingent on formal University approval. Out-of-state students should consult with their respective state agencies regarding certification requirements. For more information about the Teacher Certification Program, contact Coordinator of the program in the School of Library Science.

REQUIREMENTS FOR A MAJOR IN LIBRARY SCIENCE
BACHELOR OF ARTS DEGREE

FRESHMAN YEAR	SEM. HRS.
ENG 101, 102	6
FN 167	1
Foreign Language	6
HIS 101, 102	6
PED 105	1
PHI 151 or REL 131	3
MAT 101, 103, or higher	3
Social Science (See General Education Requirement III of College of Liberal Arts for specific course listing)	6
	32

SOPHOMORE YEAR	SEM. HRS.
AA 100, MUS 365, ART 130, or THE 100 (May not include performance or skills courses)	3
ENG 203 and an additional course chosen from ENG 200, 201, 202, 205, 350, 351, 370, 371; FL 305; HUM 310, 320, 333, 340, 353, 370	6
Foreign Language	6
Laboratory Science (Recommended courses include: AST 111/111L, 112/112L, BSC 103/103L; CHE 104/104L; and GLY 101/101L or any Laboratory Science approved in the General Education Curriculum will suffice)	8
SCM 111, 305, or 330; PHI 253 or 458	3
Social Science (See General Education Requirement III of College of Liberal Arts for specific course listing)	6
	32

Non-Certification

JUNIOR YEAR	SEM. HRS.
Humanities Elective (See General Education Requirement II of College of Liberal Arts for specific course listing)	3
LS 405, 411, 416	9
Major Elective	3
Minor Requirements	9
Science or Mathematics Elective	3
Electives	6
	33

SENIOR YEAR	SEM. HRS.
LS 401, 406, 489	10
Major Elective	3
Minor Requirments	9
Electives	9
	31

Certification

JUNIOR YEAR	SEM. HRS.
Humanities Elective (See General Education Requirement II of College of Liberal Arts for specific course listing.)	3
LS 405, 408, 409, 416	12
PSY 374	3
REF 400, 469	6
SPE 400	3
Major Elective	3
	33

SENIOR YEAR	SEM. HRS.
CIS 474, 475, 476	5
LS 401, 411	6
LS 417, 418	3
LS 425, 494	15
Major Elective	3
	32

BACHELOR OF SCIENCE DEGREE

FRESHMAN YEAR	SEM. HRS.
ENG 101, 102	6
FN 167	1
HIS 101, 102	6
Laboratory Science (Recommended courses include: AST 111/111L, 112/112L; BSC 103/103L; CHE 104/104L; and GLY 101/101L; but any Laboratory Science approved in the General Education Curriculum will suffice)	8
MAT 101, 103, or higher	3
PED 105	1
Social Science (See General Education Requirement III of College of Liberal Arts for specific course listing)	6
	31

SOPHOMORE YEAR	SEM. HRS.
AA 100, MUS 365, ART 130, or THE 100 (May not include performance or skills courses)	3
ENG 203 and an additional course chosen from ENG 200, 201, 202, 205, 350, 351, 370, 371; FL 305; HUM 310, 320, 333, 340, 353, 370	6
Foreign Language	6
PHI 151 or REL 131	3
Social Science (See General Education Requirement III of College of Liberal Arts for specific course listing)	9
SCM 111, 305, or 330; or PHI 253 or 458	3
Science or Mathematics Elective	3
	33

Non-Certification

JUNIOR YEAR	SEM. HRS.
ENG 332 or 333	3
Humanities Elective (See General Education Requirement II of College of Liberal Arts for specific course listing)	3
LS 405, 411, 416	9
Major Elective	3
Minor Requirements	9
Electives	6
	33

SENIOR YEAR	SEM. HRS.
LS 401, 406, 489	10
Major Elective	3
Minor Requirements	9
Electives	9
	31

Certification

JUNIOR YEAR	SEM. HRS.
ENG 332 or 333	3
Humanities Elective (See General Education Requirement II of College of Liberal Arts for specific course listing)	3
LS 405, 408, 409, 416	12
PSY 374	3
REF 400, 469	6
SPE 400	3
Major Elective	3
	33

SENIOR YEAR	SEM. HRS.
CIS 474, 475, 476	5
LS 401, 411	6
LS 417 or 418	3
LS 425, 494	15
Major Elective	3
	32

REQUIREMENTS FOR A MINOR IN LIBRARY SCIENCE

Any undergraduate at the University may minor in library science. Students who are majoring in arts and sciences or a professional field such as business, but who plan to seek a graduate degree in library science, are especially urged to minor in library science.

The following 18 hours are suggested for a minor in library science: LS 401, 405, 411, 416; electives 6 hours.

Students planning to minor in library science should notify the School's director so that a faculty adviser can be assigned.

SCHOOL OF PUBLIC AND INTERNATIONAL AFFAIRS

William H. Hatcher, Director
Hattiesburg, MS 39406-5108
(601) 266-4310

The School of Public and International Affairs is a separately organized entity within the College of Liberal Arts and is comprised of six programs and departments: Criminal Justice, Economics (BA), Geography and Area Development, International Studies, Paralegal Studies, and Political Science.

DEPARTMENT OF CRIMINAL JUSTICE

Tyler H. Fletcher, Chair
Hattiesburg, MS 39406-5127
(601) 266-4509

Devine, Kevlin, D. King, LeFlore, Panko, M.C. Smith, W.B. Taylor

The Department of Criminal Justice offers an interdisciplinary major leading to a Bachelor of Arts or Bachelor of Science degree, and a minor. Major fields of emphasis are offered in corrections, juvenile justice, and in law enforcement.

Requirements for the major are a minimum of thirty-nine (39) hours of course work in Criminal Justice, not including the optional field practicum (CJ 400), and two interdisciplinary blocks consisting of 9 hours each not including the core, flexibility structured to strengthen the students understanding and interest in humanities, the behavioral sciences or professional areas such as accounting, computer science and management. Normally, the Bachelor of Arts option will contain a philosophy block.

Requirements for the minor are a minimum of eighteen (18) hours of course work in Criminal Justice including CJ 200 but not including the field practicum.

REQUIREMENTS FOR A BACHELOR OF ARTS DEGREE IN CRIMINAL JUSTICE

FRESHMAN YEAR	SEM. HRS.
CJ 200, 341	6
ENG 101, 102	6
Foreign Language: 200 level or above	6
HIS 101, 102	6
Human Wellness FN 167 or PED 105	1
MAT 101 or higher	3
Natural Science: BSC 103, 103L; CHE 104, and 104L are recommended	8
	36

SOPHOMORE YEAR	SEM. HRS.
CJ 352, 360	6
Fine Arts: AA 100, ART 130, DAN 107 MUS 365 or THE 100	3
Literature: ENG 203 and one other chosen from ENG 200, 201, 202, 205, 350, 351, 370 371; FL 305; HUM 333 or 353	6
Humanities Elective: HIS 140 or 141; or one other course chosen from Literature; or AMS 304 or 404	3
PHI 151 or REL 131	3
Social Science: ANT 101 or 221, ECO 255; GHY 101, 102, or 331; PS 101, 220, 331, or 425; PSY 110 or 375; SOC 101, 240, or 314 (No more than ONE course from each discipline)	9
	30

REQUIREMENTS FOR A BACHELOR OF SCIENCE DEGREE IN CRIMINAL JUSTICE

FRESHMAN YEAR	SEM. HRS.
CJ 200	3
ENG 101, 102	6
Foreign Language (Spanish preferred)	6
HIS 101, 102	6
Human Wellness: FN 167, PED 105	2
MAT 101 or higher	3
Natural Science: BSC 103, 103L; CHE 104 and 104L are recommended	8
	34

SOPHOMORE YEAR	SEM. HRS.
CJ 350, 352	6
ENG 332 or 333	3
Literature: ENG 203 and one other chosen from ENG 200, 201, 202, 205, 350, 351, 370, 371; FL 305; HUM 333 or 353	6
Humanities Elective: HIS 140 or 141; or AMS 304 or 404; or Literature	3
PHI 151 or REL 131	3
Social Science: ANT 101, 221; ECO 255, GHY 101, 102, 331, or 341, PS 101, 220, 331, or 425; PSY 110 or 375; SOC 101, 240, or 314 (Choose from at least 5 of the disciplines)	15
	36

BACHELOR OF ARTS

Corrections Emphasis

JUNIOR YEAR	SEM. HRS.
CJ 325, 330, 331, 353, 360, 400*	15
CPY 101, 210, 312, 316	12
Fine Arts: AA 100, ART 130, DAN 107, MUS 365, or THE 100	3
FN 167 or PED 105	1
Logic: PHI 253, 458; SCM 111, 305, or 330	3
	34

SENIOR YEAR	SEM. HRS.
Applied Science: FSC 440	3
CJ 342, 353, 370, 420, 433, 451	18
Counseling Psychology Electives	6
ENG 332 or 333	3
	30
TOTAL:	128

BACHELOR OF SCIENCE

Corrections Emphasis

JUNIOR YEAR	SEM. HRS.
CJ 325, 330, 331, 353, 360, 400*	15
CPY 101, 210, 312, 316	12
Fine Arts: AA 100, ART 130, DAN 107, MUS 365 or THE 100	3
Logic: PHI 253, 485; SCM 111, 305, 330	3
	33

SENIOR YEAR	SEM. HRS.
Applied Science: FSC 440	3
CJ 342, 353, 370, 420, 433, 451	18
Counseling Psychology Electives	6
	27
TOTAL:	128

BACHELOR OF ARTS OR BACHELOR OF SCIENCE

Juvenile Justice Emphasis

JUNIOR YEAR	SEM. HRS.
CJ 325, 330, 331, 360, 400*	15
CPY 101, 210, 312, 361	12
Fine Arts: AA 100, ART 130, DAN 107, MUS 365, or THE 100	3
Logic: PHI 253, 458; SCM 111, 305, 330	3
	33

SENIOR YEAR	SEM. HRS.
Applied Science: FSC 440	3
CJ 342, 353, 370, 420, 431, 433	18
Counseling Psychology Electives	6
	27
TOTAL:	128

BACHELOR OF ARTS OR BACHELOR OF SCIENCE

Law Enforcement Emphasis

JUNIOR YEAR	SEM. HRS.
CJ 325, 330, 341, 342, 400*, 433	15
Fine Arts: AA 100, ART 130, DAN 107, MUS 365, or THE 100	3
Logic: PHI 253, 458; SCM 111, 305, or 330	3
PHI 356, 453, Elective	9
PS 380 or selected interdisciplinary block	3
	33

SENIOR YEAR	SEM. HRS.
Applied Science: FSC 440	3
CJ 332, 370, 420, 430, 463, 470	18
PS 480, 481 or selected interdisciplinary block	6
	27
TOTAL:	128

*Optional addition to curriculum

PROGRAM IN ECONOMICS

Ronald J. Swager, Director
Hattiesburg, MS 39406-5051
(601) 266-4729

The College of Liberal Arts, in cooperation with the College of Business Administration, offers the Bachelor of Arts degree in Economics. Students pursuing the degree will take a minimum of thirty (30) hours in Economics which must include ECO 255, 256, 301, 302, 310, 330, 355 or 340, 345, and 435. A minor of at least eighteen (18) hours in another discipline is required and will be selected by the student in consultation with his or her adviser. Recommended minors include mathematics and various social science and humanities disciplines in Liberal Arts. Students are encouraged to include in their programs PHI 356, PS 375 and 474, and GHY 350.

Outlined below are requirements for the degree. The suggested sequence may be modified to meet a students's specific program and schedule needs.

REQUIREMENTS FOR A BACHELOR OF ARTS DEGREE IN ECONOMICS

FRESHMAN YEAR	SEM. HRS.
ENG 101, 102	6
Fine Arts	3
FN 167	1
Foreign Language	12
HIS 101, 102	6
Logic or Speech Communication	3
Laboratory Science	4
MAT 101, 112, or higher (depending on placement)	3
PED 105	1
	39

SOPHOMORE YEAR	SEM. HRS.
ECO 255, 256	6
ENG 203	3
Humanities Elective: HIS 140 or 141; Literature (see listing below); Foreign Languages; or AMS 304 or 404	3
Literature: ENG 200, 201, 205, 350, 351, 370, 371; FL 305; HUM 333 or 353	3
Laboratory Science	4
PHI 151 or REL 131	3
Science or Mathematics Elective (MAT 112 or 312 is recommended, depending on placement)	3
Social Science(from the following, with no more than 3 hrs. from any one discipline: Anthropology, Geography, Political Science, Sociology)	9
	34

JUNIOR YEAR	SEM. HRS.
ECO 301, 302, 330 and 335 or 340	12
Minor Electives	9
Electives	8
	29

SENIOR YEAR	SEM. HRS.
ECO 310, 345, 435, and Elective*	12
Minor Electives	9
Electives	5
	26
TOTAL:	128

*ECO elective should be chosen from 335 or 340, 401, 413, 436, 440, 450, 470 or 480.

The recommended minor in Economics consists of ECO 255, 256, 301, 310, 330, 340, and 345.

DEPARTMENT OF GEOGRAPHY AND AREA DEVELOPMENT

Jesse O. McKee, Chair

Hattiesburg, MS 39406-5051

(601) 266-4729

Cross, Elbert, Hudson, Larkin, Miller, Swager, Wales, D. Williams

Career opportunities in city and community planning, human resources analysis, climatology, water resource management, cartography, computer mapping, geographic information systems, remote sensing, and teaching are available through several professional degree programs. An Emphasis Area in Cartography/Remote Sensing is also available and requirements are listed in this section of the **Bulletin.** The department's undergraduate programs also provide preparatory work for professional positions in economic and industrial development where a master's degree may be required. Consult the **Graduate Bulletin** for information on graduate programs in both economic development and geography.

Undergraduate courses in Geography may be categorized as: **regional** (400 through 408 sequence), **techniques** (210, 310, and 410 through 417), and **topical** (remaining courses numbered above 300). Planning courses are prefixed with a **PLG** and described under the heading **Planning** in the Course Description section of this **Bulletin.**

Students entering the Department of Geography and Area Development will major in one of three degree-granting programs offered through the department. These include:

1. Bachelor of Arts in Geography
2. Bachelor of Science in Geography
3. Bachelor of Science in Community and Regional Planning

REQUIREMENTS FOR A MAJOR IN GEOGRAPHY

A student majoring in Geography will work toward either the Bachelor of Science or Bachelor of Arts degree. The student, working closely with an adviser, will tailor the course work to fit his or her career goal. All students pursuing a major in Geography must complete the following requirements, which include a minimum of thirty-six (36) hours in the department and a minor:

	Hours
General Core for the College of Liberal Arts (including GHY 101 or 102)	70
Professional Requirements	
GHY 331 and 350 or 362	6
GHY 323 and 324 or 325/325L	6-7
GHY 210 or 310/310L, and one 400-level GHY techniques course	6-8
Electives in GHY (may include 101 or 102)	18-20
Minor Requirements	18
Electives	4
Total	128

TEACHER CERTIFICATION

The department also offers a Bachelor of Science teaching degree with a minor or major in Secondary Education. The geography requirements for this program are similar to those listed for the BS degree in Geography. The major/minor requirements may be found elsewhere in this **Bulletin** under Secondary Teacher Education. Prospective majors should contact an adviser in both Geography and Secondary Education as soon as practical after enrollment.

REQUIREMENTS FOR A MINOR IN GEOGRAPHY

The department recommends that the minor (21 hours) include GHY 101 or 102 and courses from at least two of the following three groups of courses: **regional** (400 through 408 sequences), **techniques** (210 or 310 plus 410 through 417 sequence), or **topical** (remaining courses numbered above 300).

REQUIREMENTS FOR A BACHELOR OF ARTS DEGREE IN GEOGRAPHY

FRESHMAN YEAR	SEM. HRS.
ENG 101 and 102	6
Foreign Language	6
FN 167, PED 105	2
GHY 101 or 102	3
HIS 101 and 102	6
MAT 101 or higher level	3
Physical or Biological Laboratory Sciences	8
	34

SOPHOMORE YEAR	SEM. HRS.
Fine Arts	3
GHY 210 or 310/310L	3-4
Humanities Elective (American Studies, History, Literature)	3
Literature (must include ENG 203)	6
Logic or Speech Communication	3
One course from minor field	3
Other courses (no more than 3 hrs. from any one area: Anthropology, Economics, Political Science, Psychology, Sociology	6
PHI 151 or REL 131	3
Science or Mathematics Elective	3
	33-34

JUNIOR YEAR	SEM. HRS.
ENG 332 or 333	3
GHY 331, 350, or 362; 323 and 324 or 325/325L	12-13
Three courses from minor field	9
Geography	6
	30-31

SENIOR YEAR	SEM. HRS.
Electives	9
Three courses from a minor field	9
Three Geography Electives	10
One 400-level techniques course in Geography	3
	31
TOTAL:	128

REQUIREMENTS FOR A BACHELOR OF SCIENCE DEGREE IN GEOGRAPHY

FRESHMAN YEAR	SEM. HRS.
ENG 101 and 102	6
FN 167, PED 105	2
Foreign Language	6
GHY 101 or 102	3
HIS 101 and 102	6
MAT 101 or higher level	3
Physical or Biological Laboratory Sciences	8
	34

SOPHOMORE YEAR	SEM. HRS.
English Literature (must include ENG 203)	6
Fine Arts	3
GHY 210 or 310/310L	3-4
Humanities Elective (select from American Studies, History, Literature, Philosophy (except Logic), Religion)	3
Logic or Speech Communication	3
Other courses (no more than 3 hrs. from any one area: Anthropology, Economics, Political Science, Psychology, Sociology)	12
PHI 151 or REL 131	3
	30-31

JUNIOR YEAR	SEM. HRS.
Elective	3
English (332 or 333 is recommended)	3
GHY 331, 350, or 362; 323 and 324 or 325/325L	12-13
Two courses from minor field	6
Geography	3
Science or Mathematics Elective	3
	30-31

SENIOR YEAR	SEM. HRS.
Courses from minor field	15
Elective	3
Four Geography Electives	13
One 400-level techniques course in Geography	3
	34
TOTAL:	128

Requirements for an Emphasis in Cartography/Remote Sensing

This is an emphasis area within the BS degree program. Majors emphasizing cartography and remotely sensed image interpretation will meet Federal Civil Service Commission qualification standards under the job title Cartographer. These same standards also qualify graduates for entry into the job market for private aerial surveyors and resource development corporations.

FRESHMAN YEAR	SEM. HRS.
ENG 101 and 102	6
FN 167, PED 105	2
Fine Arts (ART 130 recommended)	3
GHY 101 or 102	3
HIS 101 and 102	6
Humanities Electives (select from American Studies, History, Literature)	3
Physical or Biological Laboratory Science (AST 111/111L and GLY 101/101L or PHY 105/105L and 106/101L are recommended)	8
	31

SOPHOMORE YEAR	SEM. HRS.
English Literature (must include ENG 203)	6
Foreign Language	6
GHY 210	3
Logic or Speech Communication	3
MAT 101 and 103 or 103 and 167 are recommended	6
PHI 151 or REL 131	3
Social Sciences (no more than 3 hrs. from any one area: Anthropology, Economics, Political Science, Psychology, Sociology)	9
	36

JUNIOR YEAR	SEM. HRS.
CSS 240 or 330	3
ENG 333	3
GHY 310/310L, 411/411L, 415, 416/416L	13
GHY 324 or 325/325L	3-4
GHY 331	3
Two 300- or 400- level courses approved by adviser	6
	31-32

SENIOR YEAR	SEM. HRS.
Electives	4-6
GHY 323, 350	6
GHY 410/410L, 412/412L, 417/417L	11
Three 300- or 400- level courses approved by adviser	9
	30-32
TOTAL:	128

THE COMMUNITY AND REGIONAL PLANNING PROGRAM

G. Richard Larkin, Director
Hattiesburg, MS 39406-5051
(601) 266-4729

The general objectives of the Community and Regional Planning program are to provide:
(1) A sound liberal arts education;
(2) A basic core of practical training and course work in community planning;
(3) A generalized interdisciplinary core of related training, primarily in behavioral and scientific knowledge, and in technical skills;
(4) Preparation for advanced studies in a variety of graduate and professional schools;
(5) A general but systematic background for students who intend to assume positions in planning and related professions without further formal study.

The program undergoes regular review and recommendations for modification by an advisory committee of professional planners who offer input with regard to the needs of the profession. In this manner, the Community and Regional Planning program remains responsive to the relevant changes occurring in the profession, and is able to offer the best possible education and training to ensure competency when entering the profession.

REQUIREMENTS FOR A BACHELOR OF SCIENCE DEGREE IN COMMUNITY AND REGIONAL PLANNING

FRESHMAN YEAR	SEM. HRS.
ENG 101 and 102	6
FN 167, PED 105	2
Foreign Language	6
GHY 101 or 102	3
HIS 101 and 102	6
MAT 101 or higher level	3
Physical or Biological Laboratory Sciences	8
	34

SOPHOMORE YEAR	SEM. HRS.
English Literature (must include ENG 203)	6
Fine Arts	3
GHY 210 or 310/310L, and 325/325L	7-8
Humanities Elective (select from American Studies, History Literature)	3
Logic or Speech Communication	3
PLG 360	3
Social and Behavioral Sciences (no more than 3 hrs. from any one area: Anthropology, Economics, Political Science, Psychology, Sociology)	9
	34-35

JUNIOR YEAR	SEM. HRS.
GHY 331 or 341	3
GHY 411/411L	3
Other Courses (five courses should be selected from: ECO 402*, 424*, 480*; GHY 416, 440, 451, 473, 474; JOU 421; REC 424, 434, 436, 441; REI 330, 460; PHI 356; PS 301, 402, 473, 474, 480; ESC 302, 405; SOC 240, 310, 461)	15
PHI 151 or REL 131	3
PLG 461 and 463	6
	30

SENIOR YEAR	SEM. HRS.
Science or Mathematics Elective	3
English (332 or 333 is recommended)	3
GHY 415	3
PLG 450, 462, 464, 465, 466, 469, and 491**	21
	30
TOTAL:	128

*Prerequisites required.
**The internship will generally be taken during the summer between the junior and senior year.

INTERNATIONAL STUDIES PROGRAM

Orazio A. Ciccarelli, Director
Hattiesburg, MS 39406-5047
(601) 266-4861

The nation's education and business leaders have acknowledged the necessity for international education in order to compete successfully in the world marketplace. In response to this call, the University of Southern Mississippi has established an interdisciplinary program in International Studies. The direction of the program is to prepare tomorrow's professionals for the intricacies of international business and the complexities of international politics, history, and culture.

The International Studies Program — developed by the College of Liberal Arts in cooperation with the College of Business Administration — is an academic program leading to a bachelor's degree awarded through the College of Liberal Arts. Students may choose one of two areas of concentration: 1) International Affairs and area studies requiring thirty (30) hours of credit in International Affairs courses and thirty (30) hours in one of three world regions (Asia, Europe, Latin America); 2) International Economic Relations requiring thirty (30) hours in International Economic Relations and thirty (30) in one of the three world regions (see above). In either case students are required to include the following courses in their area studies program: HIS 446 (U.S. Foreign Relations), GHY 341 (World Political Geography), PS 331 (Introduction to International Politics), and PS 491 (Proseminar in Political Science)*.

Six semester hours in either emphasis area may be earned through approved Study Abroad programs.

Students wishing to minor in International Studies are required to earn twenty four (24) hours in one of the areas of concentration including the four courses listed above.

*GHY 341, PS 331, and ECO 255 may be used to satisfy a nine hour Social Science requirement in the College core.

List of approved courses for the concentration in International Affairs:

GHY	350	Introduction to Economic Geography
GHY	440	Population and Human Resources
HIS	319	History of Science and Technology in the Modern Period
HIS	454	20th Century America
HIS	458	Our Times
PS	320	Introduction to Political Theory
PS	330	U.S. Foreign Policy
PS	351	Introduction to Comparative Governments
PS	421	Political Theory Locke to the Present
PS	432	Foreign Policy of the Major Powers
PS	435	Comparative Foreign Policy
PS	485	International Law

List of approved courses for the concentration in International Economic Relations:

ACC	201	Principles of Accounting I
ACC	202	Principles of Accounting II
ECO	255	Principles of Economics I
ECO	256	Principles of Economics II
ECO	301	Elementary Statistics I
ECO	413	The Economy of Latin America
or		
ECO	440	Economic Development
ECO	435	International Trade Theory
ECO	436	International Monetary Theory
ECO	470	Comparative Economic Systems
FIN	389	Business Finance

List of approved courses in area studies:

Asia

ANT	341	Peoples and Cultures of Asia
ANT	318	Peoples and Cultures of the Pacific
GHY	407	Geography of East and South Asia
GHY	408	Geography of Southwest Asia
HIS	301	Modern China and Japan
HIS	303	Studies in Non-Western History
HIS	409	Themes in the Non-Western World
PHI	352	Oriental Philosophy
		Special Problems–up to 9 hours

Europe

ANT	312	Peoples and Cultures of Europe
GHY	404	Geography of Europe
GHY	405	Geography of the Soviet Union
HIS	411	History of the USSR
HIS	418	Europe 1914-1945
HIS	424	Intellectual and Cultural History of Modern Europe
HIS	425	Nineteenth and Twentieth Century Britain
PS	431	International Organization
PS	450	Comparative Studies in European Politics
PS	451	Soviet Government and Politics
PS	452	The Political Systems of Great Britain and the Commonwealth
		Special Problems–up to 9 hours

Latin America

ANT	315	American Indians
ECO	413	The Economy of Latin America
FL	477	Contemporary Latin American Literature
GHY	402	Geography of Middle America and the Caribbean
GHY	403	Geography of South America
HIS	383	Survey of Latin American History: From Columbus to Castro
HIS	480	History of Mexico and the Caribbean
HIS	483	Studies in South American History
PS	456	Latin American Governments and Politics
PS	458	Latin American Political and Economic Development
		Special Problems–up to 9 hours

BACHELOR OF ARTS DEGREE IN INTERNATIONAL STUDIES

FRESHMAN YEAR	SEM. HRS.
ENG 101, 102	6
Fine Arts	3
FN167	1
Foreign Language	6
HIS 101, 102	6
MAT 101	3
PED105	1
PHI 151	3
SCM 111	3
	32

SOPHOMORE YEAR	SEM. HRS.
ACC 201, 202	6
ECO 255, 256	6
ENG 203	3
Foreign Language	6
Laboratory Science	8
MAT 112	3
	32

JUNIOR YEAR	SEM. HRS.
ECO 301	3
ECO 413 or 440	3
ENG 332 or 333	3
English Literature	3
FIN 389	3
GHY 341	3
HIS 141	3
Area Studies	9
PS 331	3
	33

SENIOR YEAR	SEM. HRS.
ECO 413 or 440	3
ECO 436	3
ECO 470	3
HIS 446	3
Area Studies	9
PS 491	3
Electives	7
	31
TOTAL:	128

REQUIREMENTS FOR A BACHELOR OF ARTS DEGREE IN INTERNATIONAL STUDIES WITH THE CONCENTRATION IN INTERNATIONAL AFFAIRS

FRESHMAN YEAR	SEM. HRS.
ENG 101, 102	6
FN 167	1
Foreign Language	6
HIS 101, 102	6
Laboratory Sciences	8
MAT 101	3
PED 105	1
	31

SOPHOMORE YEAR	SEM. HRS.
ENG 203	3
Fine Arts	3
Foreign Language	6
GHY 341	3
HIS 141	3
Literature	3
Mathematics or Science Elective	3
PHI 151	3
PS 331	3
SOC 101	3
	33

JUNIOR YEAR	SEM. HRS.
Area Studies	9
Electives	3
HIS 446	3
International Affairs	15
SCM 101	3
	33

SENIOR YEAR	SEM. HRS.
Area Studies	9
Electives	4
International Affairs	15
PS 491	3
	31
TOTAL:	128

PARALEGAL STUDIES PROGRAM

Ronald G. Marquardt, Director
Hattiesburg, MS 39406-5108
(601) 266-4312

The Paralegal field is a profession designed to aid attorneys to deliver legal services more efficiently. Legal assistants are currently being hired for positions in business, private law firms, and government.

A major in Paralegal Studies requires that a student complete the College of Liberal Arts Core requirements for a Bachelor of Arts or Bachelor of Science degree plus a minor.

Any student transferring to Paralegal Studies must have attained a GPA of 2.25. Also all students majoring in Paralegal Studies must maintain a GPA of 2.5 after 30 hours of coursework.

REQUIREMENTS FOR A BACHELOR OF ARTS DEGREE IN PARALEGAL STUDIES

FRESHMAN YEAR	SEM. HRS.
ENG 101, 102	6
Fine Arts (AA 100, ART 130, MUS 365; DAN 107, or THE 100	3
FN 167	1
HIS 101, 102	6
MAT 101 or higher level	3
PED 105	1
PHI 151 or REL 131	3
Social Science (12 hrs. chosen from any of the following with no more than 3 hrs. from any one discipline: ANT 101 or 221; ECO 255; GHY 101, 102, 331, or 341; PS 101, 220, 331, or 425; PSY 110/110L; or SOC 101, 240, or 314)	12
	35

SOPHOMORE YEAR	SEM. HRS.
Foreign Language (12 hours of a single language; as few as six hours may suffice depending upon placement)	12
Humanities Elective (HIS 140 or 141; Literature–see below; AMS 304 or 404)	3
Laboratory Sciences (Recommended courses include: AST 111, 111L, 112, 112L; BSC 103, 103L; CHE 104, 104L; and GLY 101, 101L)	8
Literature–ENG 203; and an additional course chosen from ENG 200, 201, 202, 205, 350, 351, 370, 371; FL 305; HUM 310, 320, 333, 340, 353, 370	6
PHI 253 or 458; or SCM 111, 305, or 330	3
Science and Mathematics Elective (Recommended courses include: ESC 301; GHY 325; FN 362; or MAT 112)	3
	35

JUNIOR YEAR	SEM. HRS.
ENG 332 or 333	3
Major*	18
Minor	9
	30

SENIOR YEAR	SEM. HRS.
Electives	4
Major*	15
Minor	9
	28
TOTAL:	128

*The Paralegal Studies major is interdisciplinary in nature. Required courses include PLS 381, 382, 383, 384, 386; ENG 332 or 333, and CJ 330. In addition, majors will take at least 15 hours from the following: PLS 389; PS 380, 480, 481, 484, 489; ACC 201; GBA 295; REI 340; CJ 430, CJ 463; CSS 100. Students **must** take at least 21 hours in courses numbered 300 and above in the major. PLS 389 (Internship in Paralegal Studies) will be offered only in the summer.

REQUIREMENTS FOR A BACHELOR OF SCIENCE DEGREE IN PARALEGAL STUDIES

FRESHMAN YEAR	SEM. HRS.
ENG 101, 102	6
Fine Arts (AA 100, ART 130, MUS 365, DAN 107, or THE 100	3
FN 167	1
Foreign Language (6 hours of a single language; fewer hours may suffice depending upon placement)	6
HIS 101, 102	6
Humanities Elective (HIS 140 or 141; Literature–see listing below; PHI 151; REL 131 or AMS 304 or 404)	3
MAT 101 or higher level	3
PED 105	1
PHI 151 or REL 131	3
PHI 253 or 458; or SCM 111, 305, or 330	3
	35

SOPHOMORE YEAR	SEM. HRS.
Laboratory Science AST 111, 111L, 112, 112L; BSC 103, 103L; CHE 104, 104L; GLY 101, 101L; but any Laboratory Science approved by the General Education Curriculum will suffice)	8
Literature–ENG 203; and an additional course chosen from: ENG 200, 201, 202, 205, 350,351, 370, 371; FL 305; HUM 310,320, 333, 340, 353, 370	6
Science or Mathematics Elective (Recommended courses include ESC 301; GHY 325; FN 362; or MAT 112)	3
Social and Behavioral Sciences Twelve hours chosen from any of the following, with no more than three hours from any one discipline: ANT 101, 221; GHY 101, 102, 331, 341; PS 101, 220, 331, 425; SOC 101, 240, 314	12
Three hours chosen from any one of the following: ANT 101, 221; ECO 255; GHY 101, 102, 331, 341; PS 101, 220, 331, 425; PSY 110, 110L; SOC 101, 240, 314	3
	32

JUNIOR YEAR	SEM. HRS.
ENG 332 or 333	3
Major*	18
Minor	9
	30

SENIOR YEAR	SEM. HRS.
Electives	4
Major*	18
Minor	9
	31
TOTAL:	128

*The Paralegal Studies major is interdisciplinary in nature. Required courses include PLS 381, 382, 383, 384, 386; ENG 332 or 333; and CJ 330. In addition, majors will take at least 15 hours from the following: PLS 389; PS 380, 480, 481, 484, 489; ACC 201; GBA 295; REJ 340; 430; CJ 463, CSS 100. Students **must** take at least 21 hours in courses numbered 300 and above in the major. PLS 389 (Internship in Paralegal Studies) will be offered only in the summer.

DEPARTMENT OF POLITICAL SCIENCE

Ronald G. Marquardt, Chair
Hattiesburg, MS 39406-5108
(601) 266-4310

Bowers, Chilton, Davis, Hatcher, Lea, J. Parker, Waltman, Wheat, J. Wolfe

The Department of Political Science offers a major and minor in Political Science and an emphasis in Pre-Law Studies.

A MAJOR IN POLITICAL SCIENCE

The Political Science major is designed to prepare students for careers in national, state, and local governments, teaching, and international service, among others. The department offers courses leading to the Bachelor of Arts, Bachelor of Science, Master of Arts, Master of Science, and Master of Science with an emphasis in Public Administration.

In addition to PS 101 (American Government) and PS 220 (Introduction to Political Science), the Political Science major must take at least one course from five of the six fields of Political Science. The remaining nine hours are electives in Political Science. See below.

The Six Fields of Political Science

Political Theory: 320, 420, 421, 425.
American Government and Politics: 301, 302, 303, 401, 402, 404, 406, 407, 408, 409.
International Relations: 330, 331, 431, 432, 435.
Comparative Government: 351, 450, 451, 452, 456, 457, 458, 459.
Public Administration: 370, 375, 471, 472, 473, 474.
Public Law: 380, 480, 481, 482, 484, 485, 488, 489.

REQUIREMENTS FOR A MINOR IN POLITICAL SCIENCE

The department recommends that the minor (18 hours) include courses from at least four of the six fields.

Teacher Certification

Political Science majors who wish to secure certification to teach in the secondary schools can do so by taking the appropriate education and social studies courses.

REQUIREMENTS FOR A BACHELOR OF ARTS DEGREE IN POLITICAL SCIENCE

FRESHMAN YEAR	SEM. HRS.
ENG 101, 102	6
Fine Arts (AA 100, ART 130, MUS 365, DAN 107, or THE 100)	3
Foreign Language	12
HIS 101, 102	6
MAT 101 or higher level	3
PS 101	3
	33

SOPHOMORE YEAR	SEM. HRS.
FN 167	1
Laboratory Science	8
Literature (ENG 203; and an additional course chosen from: ENG 200, 201, 202, 205, 350, 351, 370, 371; FL 305; HUM 310, 320, 333, 340, 353, 370)	6
PED 105	1
PHI 253, or 458; or SCM 111, 305, or 330	3
PS 220	3
Social Science	12
	34

JUNIOR YEAR	SEM. HRS.
Humanities Elective (HIS 140 or 141; Literature– see listing above; AMS 304 or 404)	3
Minor	9
PHI 151 or REL 131	3
Political Science*	12
Science or Mathematics Elective	3
	30

SENIOR YEAR	SEM. HRS.
Electives	10
Minor	9
Political Science*	12
	31
TOTAL:	128

*Political Science majors must take at least one course from five of the six fields of the discipline. The remainder of the Political Science courses are electives. See above.

REQUIREMENTS FOR A BACHELOR OF SCIENCE DEGREE IN POLITICAL SCIENCE

FRESHMAN YEAR	SEM. HRS.
ENG 101, 102	6
Fine Arts (AA 100, ART 130, MUS 365, DAN 107, or THE 100)	3
FN 167 and PED 105	2
Foreign Language (6 hours of a single language)	6
Laboratory Science	8
MAT 101 or higher level	3
PS 101	3
	31

SOPHOMORE YEAR	SEM. HRS.
ENG 200, 201, 202, 205, 350, 351, 370, 371; FL 305; HUM 310, 320, 333 340, 353, 370	6
ENG 203	3
PHI 151 or REL 131	3
PHI 253 or 458; or SCM 111, 305 or 330	3
PS 220	3
Social and Behavioral Sciences	15
	33

JUNIOR YEAR	SEM. HRS.
ENG 332 or 333	3
HIS 101, 102	6
Humanities Elective (HIS 140 or 141; Literature– see listing in BA degree; REL 131, or AMS 304 or 404)	3
Minor	6
Political Science*	12
Science or Mathematics Elective	3
	33

SENIOR YEAR	SEM. HRS.
Electives	7
Minor	12
Political Science*	12
	31
TOTAL:	128

*Political Science majors must take at least one course from five of the six fields of the discipline. The remainder of the Political Science courses are electives. See above.

Requirements for Pre-Law

Ronald G. Marquardt and James H. Wolfe, Advisers
Hattiesburg, MS 39406-5108
(601) 266-4310

The requirements for admission to law schools vary slightly, and pre-law students should obtain the entrance requirements from the school of their choice. In general, law schools expect a student to possess a bachelor's degree with a major in a content field.

All law schools require their students to be able to express themselves well in written composition. Therefore, students who are weak in composition should take extra composition courses.

When students first arrive, they should go to a pre-law adviser each time they register, but when they select a major, they should get an adviser from that department and thereafter see the pre-law adviser only regarding special problems.

After consultation with law school administrators and practicing attorneys, it is recommended that students add these courses as electives in meeting their curriculum requirements. The following is a suggested course sequence.

FRESHMAN YEAR	SEM. HRS.
ACC 201	3
ECO 255	3

SOPHOMORE YEAR	SEM. HRS.
ENG 300	3
PS 380 or GBA 295 or CJ 330	3

JUNIOR YEAR	SEM. HRS.
ENG 333	3
PS 383	3

SENIOR YEAR	SEM. HRS.
PS 480 or 489	3
PS 301, 407, or 481; or PHI 453	3

DEPARTMENT OF AEROSPACE STUDIES (AIR FORCE ROTC)

William R. O'Rourke, Jr., Chair
Hattiesburg, MS 39406-5145
(601) 266-4468

Medders, Rivero, Wilson

The Air Force ROTC Program offers a course of study leading to a commission as a second lieutenant. The program is an accredited part of the curricula of the University. AFROTC courses also apply toward academic minor requirements.

AFROTC REQUIREMENTS

Students may enroll in AFROTC if they meet the following requirements:

General Military Course: Men and women who are full-time University students may enroll in the General Military Course (GMC). The GMC surveys the missions, activities and history of the United States Air Force. There is no obligation associated with enrollment in any GMC course. The Professor of Aerospace Studies may grant credit or partial credit for completion of the GMC for students who have served on active duty, for junior or senior level ROTC participation in a program of any service, and for Civil Air Patrol work.

Professional Officer Course: Enrollment in the Professional Officer Course (POC) is limited to those students who have applied and have been accepted for this course. Application is normally made while a member of the GMC or (for students not enrolled in the GMC) early during the academic year prior to the year of desired entry. Students with previous military service may apply for direct entry. Individuals entering the POC must have two academic years remaining in college as full-time students at the undergraduate and/or graduate level. Students who complete the Professional Officer Course in Aerospace Studies (AFROTC) are allowed to waive the requirement for an academic minor, if one is required in their major. After completing their studies, all POC students are obligated to accept a commission and to enter the active duty Air Force.

DESCRIPTION OF BASIC PROGRAMS

Students who enter Air Force ROTC classes are considered to be in the Four- or Two-Year Program, depending on their academic progress upon entry. Enrollment in the General Military Course offers the student good exposure to the Air Force without obligation and also affords maximum opportunity for scholarships and entry into the Professional Officer Course. The POC is normally preceded by either a four- or six-week summer field training conducted at various Air Force bases. Financial entitlements while in the POC normally total about $2,500 for non-scholarship students.

AFROTC COLLEGE SCHOLARSHIP PROGRAM

An Aerospace Studies committee nominates qualified freshman, sophomore, and junior students to compete for three and one-half, three, two and one-half, and two year scholarships. Scholarships can pay full tuition, as well as certain fees and expenses associated with required courses, including most textbooks. In addition, the recipient will receive a $100 (tax-free) monthly allowance during the school year. Scholarships are awarded on the basis of specific academic majors needed in the Air Force. Scholarships are also offered for the last three or two years of the premed and preosteopath programs, and for the last two years of a bachelor's degree in nursing. Interested students should contact the Department of Aerospace Studies.

Four-year scholarships are also available to high school students. High school students interested in making application should write: Air Force ROTC (RRUF), Maxwell AFB, Alabama 36112-6663 during their junior year or before November of their senior year.

SUPPLEMENTAL COURSE PROGRAM (SCP)

Satisfactory completion of courses in English composition and mathematical reasoning are required for scholarship and POC students. Completion of the University Core will normally fulfill SCP requirements.

FOREIGN LANGUAGE REQUIREMENT

Scholarship students must successfully complete at least one year of college instruction in a major Indo-European or Asian language prior to commissioning. This requirement can be met by either completing courses or demonstrating proficiency through CLEP testing or a combination of the two.

FLIGHT INSTRUCTION PROGRAM

The Flight Instruction Program provides flight training to selected Professional Officer Course students. Flight training is conducted at Air Force bases during the summer field training program preceding entry into the POC. Additionally, a Ground School course is taught in the spring (AOS 404) to prepare ROTC cadets for the Flight Instruction Program.

DEPARTMENT ACTIVITIES

Air Force ROTC students are eligible for membership in Arnold Air Society and to participate in departmental activities. Arnold Air Society is a national service organization and sponsor of Angel Flight, a national coed service organization. Other departmental activities include orientation flights, visits to Air Force bases, and intramural sports.

AMERICAN STUDIES PROGRAM

Edward M. Wheat, Director
Hattiesburg, MS 39406-0065
(601) 266-4310

The American Studies Program offers an interdisciplinary major or minor for students interested in a broad liberal arts education. Through courses from many fields, the student acquires an understanding of the development of the American heritage. By course selection and during the American Studies Seminar, students may pursue their special interests. The major requires thirty (30) semester hours and the minor requires eighteen (18) semester hours.

Though no minor is required with the American Studies major, students are encouraged to have a second major or minor in complementary, career-oriented fields such as pre-law, pre-medicine, pre-dentistry, paralegal studies, journalism, public relations, library science, marketing, management, radio-television-film, military science, and education. The requirements listed below are in addition to the Liberal Arts core curriculum for either the Bachelor of Arts or the Bachelor of Science degree. Students in this program will be advised by the director of the American Studies Program.

OPTIONS FOR THE AMERICAN STUDIES MAJOR

Thirty (30) hours selected from groups below

Group I. One course from each field 9
- **ENG** 370, 371, 372, 470, 471, 472, 477, 485, 489
- **HIS** 340, 342, 344, 346, 440, 442, 443, 445, 446, 447, 448, 450, 451, 452, 453, 454, 456, 458, 475, 476
- **PS** 301, 303, 330, 370, 375, 380, 401, 402, 404, 406, 408, 409, 425, 456, 458, 472, 473, 480, 481, 489

Group II. One course from three different fields 9
- **AMS** 304, 404
- **ANT** 315, 333
- **BSC** 400, 401, 401L, 403, 404, 404L, 406
- **CJ** 200, 325, 330, 352, 360, 463, 470, 480
- **ECO** 310, 330, 424, 465, 480
- **ESC** 301
- **GHY** 370, 402, 435, 440,
- **JOU** 342, 421, 450, 452, 460
- **MUS** 432
- **PHI** 440
- **PSY** 450, 456
- **REC** 200
- **RTF** 370, 448, 460, 478
- **SOC** 240, 310, 311, 314, 421, 424, 444, 471, 475

Group III. Select any combination of three courses from Groups I and II 9
- **AMS** 403 (Senior year requirement) 3

Total 30

BACHELOR OF ARTS DEGREE IN AMERICAN STUDIES

FRESHMAN YEAR	SEM. HRS.
ENG 101, 102	6
FN 167 and PED 105	2
Foreign Language	6
HIS 101, 102	6
Laboratory Science (recommended courses include: AST 111/111L, 112/112L; BSC 103/103L; and CHE 104/104L; GLY 101/101L	8
MAT 101 or higher level	3
	31

SOPHOMORE YEAR	SEM. HRS.
American Studies Electives	6
Fine Arts (AA 100, ART 130, DAN 107, or THE 100)	3
Foreign Language	6
Literature (ENG 203 or 205; and an additional course chosen from: ENG 200, 201, 202, 203, 205, 350, 351, 370, 371; FL 305; HUM 310, 320, 333, 340, 353, 370)	6
PHI 151 or REL 131	3
PHI 253 or 458 or SCM 111, 305, or 330	3
Social Sciences (See collegiate listing)	9
	33

JUNIOR YEAR	SEM. HRS.
American Studies Electives	9
General Electives	3
Humanities Elective (AMS 304 or 404; HIS 140 or 141; Literature– see listing above; PHI 151; REL 131)	3
Minor electives (Vary from 18 to 27 hours. Because of the interdisciplinary nature of American Studies, no minor is required. A strong minor or double major is recommended.)	9
Science or Mathematics Elective (Laboratory Science– see listing above; ESC 301; GHY 325; or FN 362; or MAT 103, 112 or 167)	3
Social Science	6
	33

SENIOR YEAR	SEM. HRS.
American Studies Electives	12
AMS 403	3
General Electives	7
Minor Electives (Vary from 18 to 27 hrs. Because of the interdisciplinary nature of American Studies, no minor is required. A strong minor or double major is recommended)	9
	31
TOTAL:	128

BACHELOR OF SCIENCE DEGREE IN AMERICAN STUDIES

FRESHMAN YEAR	SEM. HRS.
ENG 101, 102	6
FN 167 and PED 105	2
Fine Arts (AA 100, ART 130, DAN 107, MUS 365, or THE 100)	3
Foreign Language	6
HIS 101, 102	6
Laboratory Science (AST 111/111L, 112/112L; BSC 103/103L or 110/110L; CHE 104/104L, and GLY 101/101L are recommended)	8
MAT 101 or higher level	3
	34

SOPHOMORE YEAR	SEM. HRS.
American Studies Elective	3
ENG 203	3
ENG 200, 201, 202, 205, 340, 351, 370, 371; FL 305; HUM 310, 320, 333, 340, 353, 370	3
PHI 253 or 458; or SCM 111, 305, or 330	3
Social and Behavioral Sciences (15 hrs. chosen from two categories; see collegiate listing)	15
	30

JUNIOR YEAR	SEM. HRS.
American Studies Electives	12
ENG 332 or 333	3
General Elective	3
Humanities Elective (AMS 304 or 404; HIS 140 or 141; Literature– see listing above)	3
Minor Electives (From 18 to 27 hrs. Because of the interdisciplinary nature of American Studies no minor is required. A strong minor or double major is recommended)	9
Science or Mathematics Elective	3
	33

SENIOR YEAR	SEM. HRS.
American Studies Electives	12
AMS 403	3
General Electives	7
Minor Electives (Vary from 18 to 27 hrs. Because of the interdisciplinary nature of American Studies, no minor is required. A strong minor or double major is recommended.)	9
	31
TOTAL:	128

DEPARTMENT OF ENGLISH

David M. Wheeler, Chair
Hattiesburg, MS 39406-5037
(601) 266-4319

W.H. Anderson, A. Ball, F. Barthelme, S. Barthelme, D. Berry, B. Carter, L. Daniel, Dolezal, Easterbrook, Ezell, Hauer, K. Herzinger, J. Jones, Kolin, J. Lewis, McCraw, McDaniel, McElroy, C. Moorman, N. Polk, Praino, P. Prenshaw, Richardson, M.A. Ryan, Schipke, Sciolino, Shattuck, Sims, C. Skates, M. Smith, R. Stamper, G. Stringer, K. Watson, M. Weatherford, D. Westbrook

ENGLISH PROGRAMS

The English major may earn a Bachelor of Arts or a Bachelor of Science degree with or without teaching accreditation. In addition to traditional programs in literature, the English Department sponsors specialized programs in Linguistics and Creative Writing. For assistance in selecting the appropriate program, students should consult an adviser in the English Department. Students working toward any degree must include in their programs the required core subjects. Information on the master's, the specialist, and Doctor of Philosophy programs can be found in the **Graduate Bulletin.**

The undergraduate major in English consists of a total of thirty-six (36) hours beyond the freshman level. At least twenty-one (21) hours must be earned at the junior and senior level; however, it is strongly recommended that majors take twenty-four (24) hours at that level. Majors desiring state certification in English should contact the English Department to learn the current requirements.

Students should take some sophomore level work before enrolling in junior level courses and some junior work before enrolling in senior courses. Students must include among their advanced courses at least one in each of the following categories: (1) English or World Literature before 1700, or Linguistics; (2) English or World Literature after 1700; (3) American Literature. Analysis of Literature (ENG 340) is required of all English majors. For teacher certification, students must take a course in American Literature; two in English Literature, one of which must be Shakespeare; Advanced Grammar (ENG 401); History of the English Language (ENG 406); Survey of Contemporary Literature (ENG 379); and twelve (12) semester hours in one of the following related areas: reading, journalism, a foreign language, or communication.

An undergraduate minor in English requires a total of eighteen (18) hours beyond Freshman English, including at least nine (9) at the junior or senior level. If teacher certification is desired, the student should contact the English Department to learn the current requirements.

REQUIREMENTS FOR A BACHELOR OF ARTS DEGREE IN ENGLISH

FRESHMAN YEAR	SEM. HRS.
ENG 101, 102	6
FL (200 level or above; additional hours below the 200 level may be required, depending on placement)	6
FN 167 and PED 105	2
HIS 101, 102	6
Laboratory Sciences (recommended courses include: AST 111, 111L, 112, 112L; BSC 103, 103L; CHE 104, 104L; and GLY 101, 101L; but any Laboratory Science in the General Education Curriculum will suffice)	8
MAT 101 or higher level course	3
	31

SOPHOMORE YEAR	SEM. HRS.
American Literature	3
Fine Arts (AA 100, ART 130, MUS 365, DAN 107, or THE 100	3
Humanities Elective: AMS 304 or 404; HIS 140 or 141; Literature (see listing below)	3
Literature: ENG 203 and ENG 200, 201, 202, 205, 350, 351, 370, 371; FL 305; HUM 310, 320, 333, 340, or 353	6
Logic (PHI 253 or 458) or Speech Communication (SCM 111, 305, or 330)	3
Science or Mathematics Elective: Any Category IV elective	3
Social Science Electives: (No more than 3 hours from any one discipline) ANT 101 or 221; ECO 255; GHY 101, 102, 331, or 341; PS 101, 220, 331, or 425; PSY 110, 110L; or SOC 101, 240, or 314	12
	33

JUNIOR YEAR	SEM. HRS.
English or World Literature before 1700 or Linguistics	3
ENG 340	3
English Electives	6
Free Electives	18
PHI 151 or REL 131	3
	33

SENIOR YEAR	SEM. HRS.
English or World Literature after 1700	3
English Electives (9 hours required at 400 level)	12
Free Electives	18
	33
TOTAL:	130*

*Depending on foreign language requirements.

REQUIREMENTS FOR A BACHELOR OF SCIENCE DEGREE IN ENGLISH

FRESHMAN YEAR	SEM. HRS.
ENG 101, 102	6
FN 167 and PED 105	2
Foreign Language: (6 hours of a single language; fewer hours may suffice depending upon placement)	6
HIS 101, 102	6
Laboratory Sciences (recommended courses include AST 111, 111L, 112, 112L; BSC 103, 103L; CHE 104, 104L; and GLY 101, 101L; but any Laboratory Science in the General Education Curriculum will suffice)	8
MAT 101 or higher level course	3
	31

SOPHOMORE YEAR	SEM. HRS.
Fine Arts (AA 100, ART 130, MUS 365, THE 100, or DAN 107	3
Humanities Elective: AMS 304 or 404; HIS 140 or 141; Literature (see listing below)	3
Literature: ENG 203 and ENG 200, 201, 202, 205, 350, 351, 370, 371; FL 305; HUM 310, 320, 333, 340, or 353	6
Logic (PHI 253 or 458) or Speech Communication (SCM 111, 305, or 330)	3
Science or Mathematics Elective: Any Category IV Elective	3
Social Science Electives: Twelve hours chosen from any of the following, with no more than three hours from any one discipline: ANT 101, 221; GHY 101, 102, 331, 341; PS 101, 220, 331, 425; SOC 101, 240, 314	12
Three hours chosen from any of the following: ANT 101, 212; ECO 255; GHY 101, 102, 331, 341; PS 101, 220, 331, 425; PSY 110, 110L; SOC 101, 240, 314	3
	33

JUNIOR YEAR	SEM. HRS.
American Literature	3
ENG 340	3
English or World Literature before 1700 or Linguistics	3
English Electives	9
Free Electives	12
PHI 151 or REL 131	3
	33

SENIOR YEAR	SEM. HRS.
English or World Literature after 1700	3
English Electives (400 level)	9
Free Electives	21
	33
TOTAL:	130

REQUIREMENTS FOR A BACHELOR OF ARTS DEGREE IN ENGLISH WITH CERTIFICATION*

FRESHMAN YEAR	SEM. HRS.
ENG 101, 102	6
FN 167 and PED 105	2
*Foreign Languages (200 level or above; additional hours below the 200 level may be required, depending on placement)	6
HIS 101, 102	6
Laboratory Sciences (recommended courses include: AST 111, 111L, 112, 112L; BSC 103, 103L or 110, 110L; CHE 104, 104L; and GLY 101, 101L; but any Laboratory Science in the General Education Curriculum will suffice). Note that certification requires one lab science in biological science and one in physical science	8
MAT 101 or higher level course	3
SCM 111, 305, or 330	3
	34

SOPHOMORE YEAR	SEM. HRS.
Fine Arts (AA 100, ART 130, MUS 365, THE 100, or DAN 107)	3
Humanities Elective: AMS 304 or 404; HIS 140 or 141; Literature (see listing below)	3
Literature: ENG 203 and ENG 200, 201, 202, 205, 350, 351, 370, 371; FL 305; HUM 310, 320, 333, 340, or 353	6
PHI 151 or REL 131	3
PSY 110, 110L	3
Science or Mathematics Elective: Any Category IV Elective	3
Social Science Electives (No more than 3 hours from any one discipline): ANT 101 or 221; GHY 101, 102, 331, or 341; PS 101, 220, 331, or 425; SOC 101, 240, or 314	9
	30

*Twelve hours in a foreign language will satisfy teacher certification requirements for twelve hours in a related area.

JUNIOR YEAR	SEM. HRS.
American Literature	3
ENG 340, 379, 454 or 455	9
English Electives (400 level)	6
English or World Literature before 1700 or Linguistics	3
PSY 374	3
REF 400, 469	6
SPE 400	3
	33

SENIOR YEAR	SEM. HRS.
Area Methods (CIS 454)	3
CIS 474, 475, 476	5
ENG 401 and 406	6
English or World Literature after 1700	3
English Elective (3-400 level)	3
Student Teaching (CIS 484)	12
	32
TOTAL:	129*

*Depending on foreign language requirements.

REQUIREMENTS FOR A BACHELOR OF SCIENCE DEGREE IN ENGLISH WITH CERTIFICATION

FRESHMAN YEAR	SEM. HRS.
ENG 101, 102	6
Fine Arts (AA 100, ART 130, MUS 365, or THE 100)	3
FN 167 and PED 105	2
HIS 101, 102	6
Foreign Language (6 hours of a single language; fewer may suffice depending on placement)	6
Laboratory Science (recommended courses include: AST 111, 111L, 112, 112L; BSC 103, 103L; CHE 104, 104L; and GLY 101, 101L; but any Laboratory Science in the General Education Curriculum will suffice) Note that certification requires one lab science in biological science and one in physical science	8
MAT 101 or higher level course	3
	34

SOPHOMORE YEAR	SEM. HRS.
Humanities Elective: AMS 304 or 404; HIS 140 or 141; Literature (see listing below)	3
Literature: ENG 203 and ENG 200, 201, 202, 205, 350, 351, 370, 371; FL 305; HUM 310, 320, 333, 340, or 353	6
PHI 151 or REL 131	3
PSY 110, 110L	3
Science or Mathematics Elective: Any Category IV Elective	3
Social Science Electives: (twelve hours chosen from at least four of the following disciplines): Anthropology (ANT 101, or 221); Geography (GHY 101, 102, 331, or 341); Political Science (PS 101, 220, 331, or 425); or Sociology (SOC 101, 240, or 314)	12
SCM 111, 305, or 330	3
	33

*Related Area. Twelve hours in one related area (Foreign Languages, Reading, Journalism, or Communications) are required for teacher certification.

JUNIOR YEAR	SEM. HRS.
American Literature	3
ENG 340, 379, 454 or 455	9
English or World Literature before 1700 or Linguistics	3
PSY 374	3
*Electives in related area	6-12
REF 400, 469	6
SPE 400	3
	33**

SENIOR YEAR	SEM. HRS.
Area Methods (CIS 454)	3
CIS 474, 475, 476	5
ENG 401 and 406	6
English or World Literature after 1700	3
English Electives (400 level)	6
Student Teaching (CIS 484)	12
	35

TOTAL: 135**

*Related Area. Twelve hours in one related area (Foreign Languages, Reading, Journalism, or Communications) are required for teacher certification.
**Depending on related area.

LINGUISTICS

The English Department offers a linguistics emphasis which is interdisciplinary in nature and is drawn from the Departments of English and Foreign Languages, as well as other departments offering linguistically related courses. It is primarily designed as preparation for careers calling for proficiency in the use and/or analysis of languages: teaching languages (including English either as a first or second language), government service, businesses with overseas operations, and international relations.

Requirement for an Emphasis in Linguistics

FRESHMAN YEAR	SEM. HRS.
ENG 101 and 102	6
FN 167 and PED 105	2
Foreign Language (200 level or above, additional hours below the 200 level may be required, depending on placement)	6
HIS 101 and 102	6
Laboratory Sciences (recommended courses include: AST 111, 111L, 112, 112L; BSC 103, 103L; CHE 104, 104L; and GLY 101, 101L; but any Laboratory Science in the General Education curriculum will suffice)	8
MAT 101 or higher level course	3
	31

SOPHOMORE YEAR	SEM. HRS.
Fine Arts (AA 100, ART 130, MUS 365, DAN 107 or THE 100)	3
Humanities Elective: AMS 304 or 404; HIS 140 or 141; Literature (See listing below)	3
Literature: ENG 203 and ENG 200, 201, 202, 205, 350, 351, 370, 371; FL 305; HUM 310, 320, 333, 340, 353, or 370	6
Logic (PHI 253 or 458) or Speech Communication (SCM 111, 305, or 330)	3
PHI 151 or REL 131	3
Science or Mathematics Elective: Any Category IV Elective	3
Social Science Electives (No more than 3 hours from any one discipline): Anthropoligy (ANT 101 or 221); ECO 255; Geography (GHY 101, 102, 331, or 341); Political Science (PS 101, 220, 331, or 425); PSY 110, 110L; or Sociology (SOC 101, 240, 314)	12
	33

JUNIOR YEAR	SEM. HRS.
ENG 340, 403, 408	9
Elect one course from: FL 101, 313, 353, 373	3
SCM 210	3
SHS 201	3
Electives	15
	33

SENIOR YEAR	SEM. HRS.
ANT 311 or 411	3
Elect 6 hours from ENG 401, 406, 409	6
SHS 401	3
Electives	21
	33
TOTAL:	130*

*Depending on foreign language reqirements.

Linguistics is NOT a certification area in Mississippi. Linguistics majors who plan to teach in secondary schools must satisfy state certification requirements in a subject area such as English, speech, or a foreign language. If state certification in English is desired, the student should contact the Department of English to learn the current requirements.

Total hours for graduation may vary depending on certification areas.

CENTER FOR WRITERS

Hattiesburg, MS 39406-5144

(601) 266-4321

The Center for Writers, functioning under the aegis of the Department of English, offers interested undergraduates the opportunity to specialize in poetry or fiction writing within the context of the basic English BA degree.

A cohesive sequence of workshop courses of increasing difficulty encourages the gifted student writer to locate and focus his or her talent, and to observe and participate in the process of creative writing.

A companion group of theory and literature courses places emphasis on contemporary and current writing, literary theory, and criticism in English and in translation.

The Center sponsors two publications: **Mississippi Review,** a national journal of fiction, poetry, and criticism; and **Product,** a student publication geared to publish and circulate within the University community the very best student writing.

THE UNIVERSITY WRITING CENTER

Jimmie Jones, Director
Hattiesburg, MS 39406-5037
(601) 266-4319

The University Writing Center, located in College Hall 208, offers individualized writing assistance to students, faculty, and staff at USM. Tutors work one-on-one with writers interested in improving their writing in an environment allowing for writing development at the writer's own pace. Writers at all levels of writing proficiency use the services of the University Writing Center.

The University Writing Center offers support in all areas of writing. The Writing Center is equipped with IBM-compatible word processing equipment and software, high-tech printers, and a local-area network (ENFI: Electronic Networks for Instruction).

Many people using the University Writing Center have been referred by their instructors; others come on their own for writing assistance ranging from organization and development to preparing final copy. University Writing Center services are available to students, faculty, and staff on a drop-in or appointment basis.

DEPARTMENT OF FOREIGN LANGUAGES AND LITERATURES

Orazio Ciccarelli, Acting Chair
Hattiesburg, MS 39406-5038
(601) 266-4964

E. Anglin, K. Austin, M. Clark, Fontecchio, R. Johnson, B. Moorman, Neumann, Odom, Poulin, Sanchez-Alonso

The Department of Foreign Languages and Literatures offers a flexible multilingual and multicultural program leading to the Bachelor of Arts degree either with or without teaching certification. It also offers an academic minor. The program aims to provide the students with sufficient language skills and cultural insights to give them sound foundations for a wide range of careers. It is designed to meet the following objectives:

(1) prepare students (in combination with other disciplines) for industrial, commercial, and government employment in which knowledge of a foreign language and culture is a distinct advantage;
(2) prepare students to teach foreign languages in secondary schools;
(3) prepare students for graduate study in foreign languages and literatures and related fields;
(4) provide supportive courses for other programs in the University.

The department offers curricula from the beginning through the advanced levels in French, German, Spanish, Latin, ancient Greek and Russian. Sequence courses on the beginning and intermediate levels in Italian, a two-semester course in Arabic, and introductory courses in Chinese and Japanese are also available.

The major in foreign languages includes a concentration in at least two foreign languages. It requires a minimum total of thirty-six (36) semester hours in foreign language courses and an additional six (6) hours of approved courses from two of the following areas: English, History, and Humanities. At least eighteen (18) hours must be earned in upper-level foreign language courses, including six (6) in four hundred (400)-level literature courses.

The department also administers a minor in the Humanities (see program in Humanities).

Students wishing to establish a minor within this department must earn eighteen (18) hours of credit of which at least six (6) must be in upper-level courses. The minor is available in French, German, Greek, Latin, Russian, and Spanish.

Students have access to the Foreign Language Laboratory and may be required to attend laboratory or drill sessions in addition to regular classroom meetings.

In cooperation with other departments at this University, the Department of Foreign Languages and Literatures has established a number of formal and informal programs for students who wish to prepare for careers in which a knowledge of a foreign language and culture is either essential or desirable. For assistance in devising a suitable curriculum, students should consult as soon as possible with a foreign language adviser.

Since the beginning language courses are combinations of historical, cultural, and language material, they can function as electives for students in liberal arts, the sciences, and education, even though these students are pursuing neither a major nor a minor in the department.

The course schedules presented below are intended to aid in planning programs of study.

REQUIREMENTS FOR THE BACHELOR OF ARTS DEGREE IN FOREIGN LANGUAGES

FRESHMAN YEAR	SEM. HRS.
ENG 101, 102	6
First Foreign Language (100-Level)	6
FN 167	1
HIS 101, 102	6
Laboratory Science (Any laboratory science approved in the General Education Curriculum)	4
MAT 101 or higher level	3
PED 105	1
Social Sciences (ANT 101, 221; ECO 255; GHY 101, 102; PS 101, 220, 331, 425; PSY 101, 101L; SOC 101, 240, 314)	6
	33

SOPHOMORE YEAR	SEM. HRS.
ENG 203	3
Literature (ENG 200, 201, 203, 205, 350, 351, 370, 371; FL 305; HUM 310, 320, 333, 340, 353, 370)	3
First Foreign Language (200-level)	6
Humanities Elective; Literature (See listing above)	3
Laboratory Science	4
Logic or Speech Communication (PHI 203, 458; SCM 111, 305, 330)	3
Second Foreign Language (100-level)	6
Social Science	3
	31

JUNIOR YEAR	SEM. HRS.
Elective	3
ENG 332	3
ENG 403 or 406	3
Fine Arts (AA 100, ART 130, MUS 365, DAN 107, THE 100)	3
First Foreign Language (300-level courses)	6
PHI 151 or REL 131	3
Science or Mathematics Elective	3
Second Foreign Language (200-level courses	6
Social Science	3
	33

SENIOR YEAR	SEM. HRS.
Electives	16
First Foreign Language (400-level literature)	6
History: a course appropriate to the student's language area (HIS 310, 311, 383, 414, 415, 420)	3
Second Foreign Language (300-level courses)	6
	31

TOTAL: 128

N.B.: For a list of the various courses the student may take in disciplines without specific course numbers, please consult an adviser in Foreign Languages.

REQUIREMENTS FOR THE BACHELOR OF ARTS DEGREE IN FOREIGN LANGUAGES WITH TEACHING CERTIFICATION

FRESHMAN YEAR	SEM. HRS.
Elective	3
ENG 101, 102	6
First Foreign Language (100-Level)	6
FN 167	1
HIS 101, 102	6
Laboratory Science (Any laboratory science approved in the General Education Curriculum)	4
MAT 101 or higher level	3
PED 105	1
Social Sciences (ANT 101, 221; ECO 255, GHY 101, 102, 331; PS 101, 220, 331; SOC 101, 240, 314)	3
	33

SOPHOMORE YEAR	SEM. HRS.
ENG 203	3
First Foreign Language (200-level)	6
Laboratory Science	4
Literature (ENG 200, 201, 203, 204, 205, 350, 351, 370, 371; FL 305; HUM 310, 320, 333, 340, 353, 370)	3
Physical or Biological Science	3
PHI 151 or REL 131	3
PSY 110/110L	3
SCM 111	3
Second Foreign Language (100-level)	6
	34

JUNIOR YEAR	SEM. HRS.
ENG 332	3
ENG 403 or 406	3
Fine Arts (AA 100, ART 130, MUS 365, DAN 107, THE 100)	3
First Foreign Language (300-level courses)	6
REF 400, 469	6
Second Foreign Language (200-level courses)	6
Social Science	3
PSY 374	3
SPE 400	3
	36

SENIOR YEAR	SEM. HRS.
CIS 474, 475, 476	5
First Foreign Language (400-level literature)	6
History: A course appropriate to the student's language area (HIS 310, 311, 383, 414, 415, 420)	3
Second Foreign Language (300-level courses)	6
Student Teaching	12
Area Methods	3
	35
TOTAL:	138

N.B.: For a list of the various courses the student may take in disciplines without specific course numbers, please consult an adviser in Foreign Languages.

PROGRAM IN HUMANITIES

R. Johnson, Jr., Coordinator
Hattiesburg, MS 39406-5038
(601) 266-4964

The Program in Humanities helps students learn to write and think by concentrating on important texts for reading, study, and discussion. Students may attain an academic minor in Humanities. Students who also successfully complete the Humanities Proseminar (HUM 495) will receive a Certificate in Humanities testifying to their accomplishment.

The minor requires eighteen (18) hours—nine (9) hours from the Humanities (HUM) courses and nine (9) hours from the following list of Humanities electives, with no more than two courses (6 hours) from any one discipline: ANT 411 (Foundations of Indo-European Thought and Culture); ANT 412 (Mythology and Folklore); ART 332 (History of Art I); ART 334 (History of Art II); ENG 319 (Literary Study of the Bible); ENG 451 (Chaucer); ENG 454 (Shakespeare's Comedies and Tragicomedies); ENG 455 (Shakespeare's Histories and Tragedies); ENG 459 (Milton); FRE 445 (Twentieth Century French Drama); GER 446 (The German Novelle); GRK 445 (Readings in Greek Literature); HIS 407 (Renaissance and Reformation); HIS 413, (Medieval Life and Thought); HIS 423 (History of Biological and Physical Sciences, 1500-1950); HIS 424 (Intellectual and Cultural History of Modern Europe); LAT 445 (Readings in Latin Literature); MUS 431 (History of Opera); MUS 433 (20th-Century Music); MUS 436, (18th-Century Music); MUS 437 (19th-Century Music); PHI 310 (Classical Philosophy); PHI 312 (Modern Philosophy); PHI 353 (Study of a Major Philosopher); PHI 406 (Philosophy of Man); PS 420 (Political Theory to Locke); PS 421 (Political Theory Locke to Present); SOC 315 (Sociology of Religion); SOC 482 (Sociological Theory); SPA 446 *(Don Quijote).*

All Humanities courses and Humanities electives emphasize learning substantial content, learning to write better, and learning to think more critically.

DEPARTMENT OF HISTORY

William K. Scarborough, Chair
Hattiesburg, MS 39406-5047
(601) 266-4333

J. Anglin, Barnett, Bodenhamer, R. Bowers, Ciccarelli, Digre, Feldman, Gonzales, Guice, Hamblin, Harper, McCarty, McMillen, Morgan, R. Skates, M. Wheeler, T. Williams

The Department of History participates in programs leading to the degrees of the Bachelor of Arts, the Bachelor of Science, the Master of Arts, the Master of Science, and the Doctor of Philosophy. For the master's and doctoral degrees, please consult the **Graduate Bulletin.** The department also participates and advises in the Social Studies interdisciplinary degree program.

COMMON REQUIREMENTS FOR A MAJOR IN HISTORY

Students must have a minimum grade point average of 2.0 in order to transfer to History from another academic major or from Adult or General Studies. Undergraduate students majoring in History may elect either the Bachelor of Arts or the Bachelor of Science degree program. They may certify to teach in the field of social studies at the secondary level under either of the above degree plans by taking the necessary professional education courses. They should consult with their adviser to determine which degree plan to follow and what professional education courses are required.

Students majoring in History must take thirty-six (36) hours which, regardless of the degree plan, must include HIS 101, 102, 140, 141, and 345. Of the twenty-one (21) remaining hours required for the major, no more than twelve (12) hours of advanced course work can be selected from any one of the three following course areas: (1) American History, (2) European History, (3) Other (Latin American, Far East, and other non-American, non-European courses). Students who have satisfied the thirty-six (36) hour major requirement may take additional advanced courses in history in any area they prefer.

COMMON REQUIREMENTS FOR A MINOR IN HISTORY

The student minoring in History should take twenty-one (21) hours in history which must include HIS 101 and 102.

TEACHER CERTIFICATION

History majors working toward a baccalaureate teaching degree with secondary certification in social studies must include in their program (1) the education courses required for the Class A teaching certificate (education will normally be the minor for a history major seeking a teacher's license); and (2) the following social studies courses either as core or electives: economics (6 hours), political science (6 hours), geography (6 hours), sociology (3 hours), Mississip pi History (3 hours).

BACHELOR OF ARTS DEGREE IN HISTORY

FRESHMAN YEAR	SEM. HRS.
ENG 101, 102	6
Fine Arts	3
FN 167	1
Foreign Language (all hours in a single language; fewer hours may suffice depending on placement)	6
HIS 101,102	6
Laboratory Science	4
Logic or Speech Communication	3
MAT 101 or higher level	3
PED 105	1
	33

SOPHOMORE YEAR	SEM. HRS.
ENG 203	3
Foreign Language (200 level or above; in same language as freshman year)	6
HIS 140, 141	6
Laboratory Science	4
PHI 151 or REL 131	3
Social and Behavioral Sciences (from the following, with no more than 3 hours from any one discipline: Anthropology, Economics, Geography, Political Science, Psychology, Sociology)	12
	34

JUNIOR YEAR	SEM. HRS.
Free Electives	3
HIS 345	3
History Electives	9
Literature Elective	3
Minor Electives (Minors vary from 18 to 27 hours)	9
Science or Mathematics Elective	3
	30

SENIOR YEAR	SEM. HRS.
Free Electives	7
History Electives	12
Minor Electives	12
	31
TOTAL:	128

BACHELOR OF SCIENCE DEGREE IN HISTORY

(Non-Teaching)

FRESHMAN YEAR	SEM. HRS.
ENG 101, 102	6
Fine Arts	3
FN 167	1
Foreign Language (all hours in a single language; fewer hours may suffice depending on placement)	6
HIS 101, 102	6
Laboratory Science	4
MAT 101 or higher level	3
PED 105	1
Social and Behavioral Sciences (Anthropology, Economics, Geography, Political Science, Psychology, Sociology)	3
	33

SOPHOMORE YEAR	SEM. HRS.
ENG 203	3
HIS 140, 141	6
Laboratory Science	4
Logic or Speech Communication	3
PHI 151 or REL 131	3
Social and Behavioral Sciences (3 hours from each of the following disciplines: Anthropology, Geography, Political Science, Sociology)	12
	31

JUNIOR YEAR	SEM. HRS.
ENG 332 or 333	3
Free Elective	1
HIS 345	3
History Electives	9
Literature Elective	3
Minor Electives	9
Science or Mathematics Elective	3
	31

SENIOR YEAR	SEM. HRS.
Free Electives	9
History Electives	12
Minor Electives	12
	33
TOTAL:	128

BACHELOR OF SCIENCE DEGREE IN HISTORY
WITH SECONDARY CERTIFICATION IN SOCIAL STUDIES

FRESHMAN YEAR	SEM. HRS.
Biological Science with Laboratory	4
ENG 101, 102	6
Fine Arts	3
FN 167	1
Foreign Language (all hours in a single language; fewer hours may suffice depending on placement)	6
HIS 101, 102	6
MAT 101 or higher level	3
PED 105	1
PS 101	3
SCM 111	3
	36

SOPHOMORE YEAR	SEM. HRS.
ECO 255, 256	6
ENG 203	3
GHY 101	3
HIS 140, 141	6
PHI 151 or REL 131	3
Physical Science with Laboratory	4
PSY 110/110L	3
Science or Mathematics Elective	3
SOC 101	3
	34

JUNIOR YEAR	SEM. HRS.
ENG 332 or 333	3
HIS 341, 345	6
History Electives	9
Literature Elective	3
PS 301	3
PSY 374	3
REF 400, 469	6
SPE 400	3
	36

SENIOR YEAR	SEM. HRS.
Area Methods (CIS 458 or HIS 488)	3
CIS 474, 475, 476	5
Geography Elective	3
History Electives	9
Student Teaching (CIS 488)	12
	32
TOTAL:	138

DEPARTMENT OF MILITARY SCIENCE (ARMY ROTC)

Edwin H. Felsher, Jr., Chair
Hattiesburg, MS 39406-5042
(601) 266-4456

Bolen, Breazeale, Brock, Childress, Epperson, Gallant, Gleason, Harrington, Jaeger, Lang, McInnis, Odell, Shoemaker, Stevens, Terrill, Young

MISSION

The mission of the Army ROTC Program is to provide instruction to college students preparing them for future leadership positions, both civilian and military, and to commission Second Lieutenants for the United States Army, Army National Guard, and Army Reserve.

PROGRAM OF INSTRUCTION

The ROTC program of instruction is divided into two courses, the Basic Course and the Advanced Course. The full program encompasses four years.

The Basic Course consists of two years of instruction and is one method of entry into the Advanced Course. The Basic Course is introductory in nature and no military obligation is incurred.

The Advanced Course is designed to prepare selected cadets for commissioning in the United States Army. All academic majors are accepted, and the University has waived the requirement for a minor for those students completing the ROTC program. Successful completion of a six-week advanced summer camp and recommendation by the Professor of Military Science are required for commissioning. The Advanced Course student is paid a $100.00 per month tax free subsistence allowance during both academic years of the Advanced Course. Regular Army and Reserve Commissions are earned. A recipient of a Reserve Commission may opt for a short period of active duty and then join a Reserve or National Guard unit.

Basic Course students participate in a leadership practicum. This includes practical training exercises on the USM campus and the Camp Shelby training site.

Advanced Course students will be required to attend a weekly leadership laboratory and participate each semester in practical training exercises.

All Advanced Course cadets are required to complete three Professional Military Education Courses before graduation. There will be one course completed from each of the following areas (Written Communication, Human Behavior, and Military History). All ROTC scholarship cadets are required to complete at least three semester hours of foreign language before commissioning. Cadets must coordinate with their MS III or IV Instructor/Advisers prior to scheduling these Professional Military Education Courses.

TWO-YEAR PROGRAM

A two-year program leading to a commission is available to the following categories of students:

(1) A veteran whose military record is evaluated by the Professor of Military Science and determined to have the necessary background for acceptance into the Advanced Course.

(2) Students who did not take the Basic Course during the freshman and sophomore years. These students must successfully complete a six-week Basic Summer Camp prior to applying for the Advanced Course.

EXTRACURRICULAR AND ENRICHMENT ACTIVITIES

ROTC cadets have the opportunity to participate in several professional organizations within the Corps of Cadets. These include the Rifle Team, the Scabbard and Blade (honorary military society), the Southern Generals (Color Guard and Drill Team), the Ranger Company, and Ranger Challenge Team.

ROTC SCHOLARSHIP PROGRAM

The Army ROTC Scholarship Program is designed to offer financial assistance to out standing young men and women in the four-year ROTC program who are interested in commisioned service in the Army. There are three types of scholarships: Four-Year, Three-Year, and Two-Year. Each scholarship provides tuition, textbooks, and laboratory fees in addition to paying a $100.00 subsistence allowance per month for the period that the scholarship is in effect.

Four-Year scholarships are offered to select young men and women who have graduated from high school or received equivalent credit from an acceptable state or national agency. Applicants must be enrolled in or acceptable for enrollment in the University. Students desiring to apply for the Four-Year Scholarship must complete and mail application prior to November 15 of the year before the scholarship is to begin. Information and application packets for the Four-Year Scholarship may be obtained from the high school counselor or by writing to:

USM Army ROTC
Scholarship Officer
Southern Station, Box 5042
Hattiesburg, MS 39406

Students desiring to apply for the Two-Year or Three-Year scholarships will do so through the Professor of Military Science at the University. Applicants will be screened by a scholarship committee and selections will be forwarded to the Department of the Army for final selection.

DEPARTMENT OF PHILOSOPHY AND RELIGION

Forrest E. Wood, Jr., Chair
Hattiesburg, MS 39406-5015
(601) 266-4518

Burr, DeArmey, Sharkey, Sullivan

The Department of Philosophy and Religion offers programs of study leading to the degrees of Bachelor of Arts and Bachelor of Science with a major in Philosophy, a major in Philosophy with an emphasis in Religion, a minor in Philosophy, or a minor in Philosophy with an emphasis in Religion. In general, each of these programs is designed to help students gain a better understanding of themselves, their world, their own beliefs and those of others.

The major in Philosophy offers both breadth and depth in philosophical training for students interested in pursuing graduate study in philosophy as well as for those majoring in philosophy as a pre-professional program in law, medicine, or other related fields.

The major in Philosophy with an emphasis in Religion offers and encourages breadth in the philosophical and scholarly study of the phenomenon of religion for students interested in pursuing the academic study of religion at the graduate level, or as a pre-professional program for the ministry, religious education, or counseling.

REQUIREMENTS FOR A MAJOR IN PHILOSOPHY

Bachelor of Arts Degree

FRESHMAN YEAR	SEM. HRS.
ENG 101, 102	6
Foreign Language	6
FN 167	1
HIS 101, 102	6
MAT 101 or higher level	3
PHI 151	3
PHI 253	3
PHI 356	3
	31

SOPHOMORE YEAR	SEM. HRS.
ENG 203 and a 200-300 level	6
Geography, Anthropology, Political Science, Psychology, or Sociology	12
PED 105	1
PHI 310, 312	6
Foreign Language	6
	31

JUNIOR YEAR	SEM. HRS.
English or Humanities	3
Fine Arts	3
Laboratory Science	4
General Elective	3
Philosophy Electives	9
Minor	9
	32

SENIOR YEAR	SEM. HRS.
GHY 325 or other Category IV Elective	3
Humanities Elective	3
Laboratory Science	4
Minor	9
Philosophy Electives	12
Religion Elective	3
	34

TOTAL: 128

Bachelor of Science Degree

FRESHMAN YEAR	SEM. HRS.
ENG 101, 102	6
FN 167	1
Foreign Language	6
HIS 101, 102	6
MAT 101 or higher level	3
PHI 151, 253	6
PHI 356	3
	31

SOPHOMORE YEAR	SEM. HRS.
Anthropology and Geography	6
ENG 203 and a 200-300 level	6
Geography, Anthropology, Political Science, Sociology, or Psychology	3
PED 105	1
PHI 310, 312	6
Political Science and Sociology	6
Elective	3
	31

JUNIOR YEAR	SEM. HRS.
ENG 332 or 333	3
English or Humanities	3
Fine Arts	3
Humanities Elective	3
Laboratory Science	4
Philosophy Elective	6
Religion Elective	3
Minor	9
	34

SENIOR YEAR	SEM. HRS.
General Elective	4
GHY 325 or other Category IV Elective	3
Laboratory Science	4
Minor	9
Philosophy Electives	12
	32

TOTAL: 128

Students wishing to minor in Philosophy (PHI) are required to complete eighteen (18) semester hours in philosophy including PHI 151, 253, 356, and at least one course in the history of philosophy. The remaining six (6) semester hours are to be selected from upper division offerings in philosophy in consultation with a departmental adviser.

REQUIREMENTS FOR A MAJOR IN PHILOSOPHY WITH AN EMPHASIS IN RELIGION

Bachelor of Arts Degree

FRESHMAN YEAR	SEM. HRS.
ENG 101, 102	6
FN 167	1
Foreign Language	6
HIS 101, 102	6
MAT 101 or higher level	3
PHI 151, 253	6
REL 131	3
REL 333	3
	34

SOPHOMORE YEAR	SEM. HRS.
ENG 203 and a 200- 300 level	6
Foreign Language	6
Laboratory Science	8
PED 105	1
PHI 352	3
PHI 372	3
REL 335	3
	30

JUNIOR YEAR	SEM. HRS.
English or Humanities	3
Fine Arts	3
Geography, Anthropology, Political Science, Sociology or Psychology	12
Philosophy or Religion Electives	6
Minor	9
	33

SENIOR YEAR	SEM. HRS.
General Elective	4
GHY 325 or other Category IV Elective	3
Humanities Elective	3
Minor	9
Philosophy and Religion Electives	12
	31
TOTAL:	128

Bachelor of Science Degree

FRESHMAN YEAR	SEM. HRS.
ENG 101, 102	6
FN 167	1
Foreign Language	6
HIS 101, 102	6
MAT 101 or higher level	3
Natural Science	4
PHI 151	3
PHI 253	3
REL 131	3
REL 333	3
	34

SOPHOMORE YEAR	SEM. HRS.
Anthropology and Geography	6
ENG 203 and a 200-300 level	6
English 332 or 333	3
Geography	3
PED 105	1
PHI 310, 312	6
Political Science and Sociology	6
	31

JUNIOR YEAR	SEM. HRS.
English or Humanities	3
Fine Arts	3
General Elective	4
Laboratory Science	4
PHI 352	3
Philosophy or Religion Electives	6
Minor	9
	32

SENIOR YEAR	SEM. HRS.
General Electives	6
GHY 325 or other Category IV Elective	3
Laboratory Science	4
Minor	9
Philosophy or Religion Electives	9
	31
TOTAL:	128

Students wishing to minor in Philosophy with an emphasis in Religion are required to complete eighteen (18) semester hours in philosophy and religion including either PHI 151 or REL 131 and PHI 372 and at least one course in the Eastern and one course in the Western religious traditions. The remaining six (6) semester hours are to be selected in consultation with a departmental adviser.

SOCIAL STUDIES PROGRAM

Orazio A. Ciccarelli, Director
Hattiesburg, MS 39406-5047
(601) 266-5642

The interdisciplinary major and minor in the area of Social Studies is jointly sponsored by the College of Liberal Arts and the College of Education and Psychology. This program is open to both prospective teachers as well as those students desiring a broad preparation in the social sciences. Consequently a student majoring in Social Studies may elect the degree program of either college. Students who plan to teach in the public schools must meet the professional certification requirements of the College of Education and Psychology. It is recommended that a student who is planning to teach the Social Studies in junior or senior high school take this interdisciplinary major as it more adequately prepares one to teach all the social studies courses currently offered in the public schools.

BACHELOR OF SCIENCE DEGREE IN SOCIAL STUDIES WITH SECONDARY CERTIFICATION

FRESHMAN YEAR	SEM. HRS.
Biological Science with Laboratory	4
ENG 101, 102	6
Fine Arts	3
FN 167	1
Foreign Language (all hours in a single language; fewer hours may suffice depending on placement)	6
HIS 101, 102	6
MAT 101 or higher level	3
PED 105	1
PS 101	3
SCM 111	3
	36

SOPHOMORE YEAR	SEM. HRS.
ECO 255, 256	6
ENG 203	3
GHY 101	3
HIS 140, 141	6
PHI 151 or REL 131	3
Physical Science with Laboratory	4
PSY 110/110L	3
Science or Mathematics Elective	3
SOC 101	3
	34

JUNIOR YEAR	SEM. HRS.
ENG 332 or 333	3
Geography Elective	3
HIS 341	3
History Elective	3
Literature Elective	3
PS 301	3
PSY 374	3
Sociology Elective	3
REF 400, 469	6
SPE 400	3
	33

SENIOR YEAR	SEM. HRS.
Area Methods (CIS 458 or HIS 488)	3
CIS 474, 475, 476	5
Geography Elective	3
History Elective	3
Political Science Elective	3
Sociology Elective	3
Student Teaching (CIS 488)	12
	32
TOTAL:	135

DEPARTMENT OF SOCIOLOGY AND ANTHROPOLOGY

Robert L. Young, Chair
Hattiesburg, MS 39406-5074
(601) 266-4306

Bakanic, Danforth, G. Dunn, Flanagan, Glamser, Jackson, S. Parker, R. Turner, Winn, Woolfolk, R. Young

SOCIOLOGY

The Department of Sociology and Anthropology offers majors and minors in Sociology and Anthropology. A minimum of thirty-three (33) semester hours is required for the sociology major. Eighteen (18) hours are needed for the minor.

Core curricula of the University, the College of Liberal Arts, and for the Bachelor of Science or Bachelor of Arts degree programs should be followed with care. Sociology majors who wish to be certified to teach on the secondary education level should take note of the requirements outlined below. It should be noted that a student may seek certification though enrolled in the College of Liberal Arts.

Sociology majors will complete a minor in another field of their choice. Courses not needed to fulfill major, minor, or core requirements are free electives and may be taken in any department of the University.

REQUIREMENTS FOR A MAJOR IN SOCIOLOGY

(Sociology 101 is a prerequisite to all other course offerings.)

General Sociology Emphasis

	Hours		Hours
SOC 101	3	SOC 462	3
SOC 460	3	SOC 482	3
		Sociology Electives	21

A suggested selection of courses is listed for each year. These include required and elective courses for majors in sociology and anthropology. The sequence of many courses can be modified with the approval of the academic adviser. Many courses have prerequisites. Always check catalog descriptions to determine this. Certain courses are regularly scheduled for fall semester or spring semester. Students should note this and plan schedules to include the needed courses; this is especially true if one's schedule anticipates the completion of academic work in December or August.

Students will need to schedule 15 to 18 hours (5 or 6 courses) per semester in order to graduate in a regular eight-term (4 year) schedule. Transfer students should schedule any needed core courses as early as possible after entering.

REQUIREMENTS FOR THE BACHELOR OF ARTS DEGREE IN SOCIOLOGY

FRESHMAN YEAR	SEM. HRS.
ENG 101, 102	6
Foreign Language	6
HIS 101, 102	6
Laboratory Science	8
MAT 101 or higher level	3
PED 105	1
SOC 101	3
	33

SOPHOMORE YEAR	SEM. HRS.
ANT 101 or 221	3
ENG 203 plus an additional course chosen from ENG 200, 201, 202, 205, 350, 351, 370, 371; FL 305; HUM 310, 320, 333, 340, 353, 370	6
Foreign Language (200-level or above)	6
Fine Arts: AA 100, ART 130, DAN 107, MUS 365, or THE 100	3
Humanities Elective: AMS 304 or 404; HIS 140 or 141; ENG 200, 201, 202, 205, 350, 351, 370, 371; FL 305; HUM 310, 320, 333, 340, 353 or 370	3
PHI 151 or REL 131	3
PHI 253, 458; or SCM 111, 305, 330	3
Sociology Electives	6
	33

JUNIOR YEAR	SEM. HRS.
Social and Behavioral Sciences (no more than three hours from any one discipline): ANT 101, 221; ECO 255; GHY 101, 102, 331, 425; PSY 110/110L; SOC 101, 240, 314	12
Minor	9
SOC 460, 462	6
Sociology Electives	3
	30

SENIOR YEAR	SEM. HRS.
Electives	7
FN 167	1
Minor	9
Science or Mathematics Elective: Laboratory Science; Mathematics; FN 362; GHY 325	3
SOC 482	3
Sociology Electives	9
	32

REQUIREMENTS FOR THE BACHELOR OF SCIENCE DEGREE IN SOCIOLOGY

FRESHMAN YEAR	SEM. HRS.
ENG 101, 102	6
Foreign Language	6
HIS 101, 102	6
Laboratory Science	8
MAT 101 or higher level	3
PED 105	1
SOC 101	3
	33

SOPHOMORE YEAR	SEM. HRS.
ANT 101 or 221	3
ENG 203 plus an additional course chosen from ENG 200, 201, 202, 205, 350, 351, 370, 371; FL 305; HUM 310, 320, 333, 340, 353 or 370	6
Fine Arts: AA 100, ART 130, DAN 107 MUS 365, or THE 100	3
Social and Behavioral Sciences No more than 3 hours from any one discipline: GHY 101, 102, 331, 341; PS 101, 220, 331, 425; SOC 101, 240, 314	9
Three hours from any of the following: ANT 101, 221; ECO 255; GHY 101, 102, 331, 341; PS 101, 220, 331, 425; PSY 110/110L; SOC 101, 240, 314	3
SCM 111, 305, 330; or PHI 253, 458	3
Sociology Electives	6
	33

JUNIOR YEAR	SEM. HRS.
Elective	3
ENG 332 or 333	3
FN 167	1
Minor	9
PHI 151 or REL 131	3
SOC 460, 462	6
Sociology Electives	6
	31

SENIOR YEAR	SEM. HRS.
Electives	4
Humanities Elective: AMS 304 or 404; HIS 140 or 141; ENG 200, 201, 202, 205, 350, 351, 370, 371; FL 305; HUM 310, 320, 333, 340, 353 or 370	3
Minor	9
Science or Mathematics Elective: Laboratory Science; Mathematics; FN 362; GHY 325	3
SOC 482	3
Sociology Electives	9
	31

ANTHROPOLOGY

A major in Anthropology requires a minimum of thirty-three (33) hours in Anthropology, including ANT 101 or 221; and 231, 241, 251, and 421.

Anthropology majors will complete a minor in another field of their choice.

For majors in other disciplines desiring to minor in Anthropology, a minimum of eighteen (18) semester hours including ANT 101 or 221 and 421 is required.

REQUIREMENTS FOR A BACHELOR OF ARTS DEGREE IN ANTHROPOLOGY

FRESHMAN YEAR	SEM. HRS.
ANT 101 or 221	3
ENG 101, 102	6
Foreign Language	6
HIS 101, 102	6
Laboratory Science	8
MAT 101 or higher level	3
PED 105	1
	33

SOPHOMORE YEAR	SEM. HRS.
ANT 231, 241, 351	6
ENG 203	3
Foreign Language	6
Fine Arts: AA 100, ART 130, DAN 107, MUS 365, or THE 100	3
FN 167	1
GHY 101, 102, 331, 341; or PS 101, 220, 331, 425; or ECO 225; or PSY 110/110L (Chosen from two disciplines)	6
PHI 253, 458 or SCM 111, 305, 330	3
SOC 101, 240 or 314	3
	31

JUNIOR YEAR	SEM. HRS.
ANT 231, 241, 351	3
Anthropology Electives	9
Elective	3
Humanities Elective: AMS 304, 404 or HIS 140, 141; or Literature (see below)	3
Literature Elective: ENG 200, 201, 202, 205, 350, 351, 370, 371; FL 305; HUM 310, 320, 340, 353, 370	3
Minor	9
PHI 151 or REL 131	3
	33

SENIOR YEAR	SEM. HRS.
ANT 421	3
Anthropology Electives	9
Electives	7
Minor	9
Science or Mathematics Elective	3
	31

REQUIREMENTS FOR A BACHELOR OF SCIENCE DEGREE IN ANTHROPOLOGY

FRESHMAN YEAR	SEM. HRS.
ANT 101 or 221	3
ENG 101, 102	6
Foreign Language	6
HIS 101, 102	6
Laboratory Science	8
MAT 101 or higher level	3
PED 105	1
	33

SOPHOMORE YEAR	SEM. HRS.
ANT 231, 241, 351	6
Anthropology Elective	3
ENG 203	3
Fine Arts: AA 100, ART 130, DAN 107, MUS 365, or THE 100	3
GHY 101, 102, 331, 341; or PS 101, 220, 331, 425; or ECO 255; or PSY 110/110L	3
PHI 253, 458 or SCM 111, 305, 330	3
SOC 101, 240 or 314	3
Electives	7
	31

JUNIOR YEAR	SEM. HRS.
ANT 231, 241, 251	3
Anthropology Electives	6
Elective	3
ENG 332 or 333	3
Humanities Elective: AMS 304 or 404; HIS 140 or 141; Literature (see below)	3
Literature Elective: ENG 200, 201, 202, 205 350, 351, 370, 371; FL 305; HUM 310, 320, 333, 340, 353, 370	3
Minor	9
PHI 151 or REL 131	3
	33

SENIOR YEAR	SEM. HRS.
ANT 421	3
Anthropology Electives	9
FN 167	1
Social Science Elective: ANT 101, 221; GHY 101, 102, 331, 341; PS 101, 220, 331, 425; SOC 101, 240, 314 (chosen from two disciplines)	6
Minor	9
Science or Mathematics Elective	3
	31
TOTAL:	128

MINOR IN ASIAN STUDIES

S. Winn, Director
Hattiesburg, MS 39406-8153
(601) 266-4306

An emphasis in Asian Studies leads to an interdisciplinary minor within the Departments of Sociology and Anthropology, Foreign Languages, Geography and Area Development, History, Philosophy and Religion, and Political Science. The program is primarily designed for students who seek preparation for positions with the United Nations Organization or with the United States Government in this or a foreign country, for careers in business and private organizations having overseas interests, for teaching, and for research projects in archaeology, anthropology, and other fields undertaken in cooperation with a university or museum.

Requirements for Minor

A minor in Asian Studies requires a total of eighteen (18) semester hours to be selected from no less than three of the following academic areas. (All courses listed below carry three hours of credit.)

ANT 314, 335, 411, 492	HIS 301
FL 101 or 102 (May be repeated up to a total of 6 hours for Japanese, Sanskrit, or any other Oriental Language.)	PHI 352, 492
	PS 453
	REL 435
	GHY 407

DEPARTMENT OF SPEECH AND HEARING SCIENCES

Stephen E. Oshrin, Chair
Hattiesburg, MS 39406-5092
(601) 266-5216

Bradley, Carlin, DuBard, King, Rhodes, Saniga, Schaub, Terrio

The Department of Speech and Hearing Sciences offers undergraduate coursework which provides both a broad, eclectic exposure to communication processes and disorders and a solid foundation for graduate studies in the field. The department provides an ideal blend of academic, clinical, and research activities for both undergraduate and graduate students.

In addition to its academic courses, the Department of Speech and Hearing Sciences operates a Speech-Language and Hearing Clinic, the Preschool Language Program, the School for Children with Impaired Hearing, and the School for Children with Language Disorders. These clinical operations provide real life experiences for majors in the department and complement the scholarly activities of the faculty. The department also has an excellent research facility available for both student and faculty research.

University Speech/Language Clinic

Linda Magee, Director

University Hearing Clinic

Lee Terrio, Director
Hattiesburg, MS 39406-5092
(601) 266-5216

The Speech/Language and Hearing Clinics are operated by the Department of Speech and Hearing Science in the College of Liberal Arts to provide students with orientation to clinical procedures used in speech/language pathology and audiology. The Clinic is located in the Speech, Hearing, Reading, and Special Education Building.

This Clinic has a dual function. It provides facilities for the training of specialists in the areas of audiology, education of the deaf, and speech/language disorders as well as providing clinical services for individuals with hearing and speech/language problems.

The Clinic's services include diagnostic examinations and therapy programs for both children and adults who have speech or hearing problems.

School for Children with Impaired Hearing

Linda Cubley, Director
Hattiesburg, MS 39406-5092
(601) 266-5225

The University of Southern Mississippi's Deaf Education Program serves as a regional center for deaf children. The program includes a diagnostic center, preschool program that provides home visits to parents of preschoolers, a daily preschool class, and a self-contained class for school-age children.

The program sometimes serves as a resource center for hearing impaired children who are mainstreamed in regular public school classes all or part of a school day.

University students, upon completing specific courses, may obtain supervised practicum in the school for academic credit and clock hours. Financial support is provided by the State Department of Education and Federal Grant, P.L. 89-313. No fees are charged to the parents.

Preschool Language Program

Mary T. Schaub, Director
Hattiesburg, MS 39406-5092
(601) 266-5232

The Preschool Language Program provides an interdisciplinary approach to diagnosis and treatment for communicatively handicapped and developmentally delayed infants and preschool children. Intensive therapy, on an individual basis or in group settings, is provided. Home-based instruction is also available.

The program is supported by Forrest-Lamar United Way; State Department of Education and Federal Grant, P.L. 89-313. No fees are charged to the parents.

School For Children With Language Disorders

N. Etoile DuBard, Director
Hattiesburg, MS 39406-10035
(601) 266-5223

The School for Children with Language Disorders is part of the Department of Speech and Hearing Sciences. It is a laboratory school for children with language and speech disorders related to hearing impairments, aphasia, and/or severe language/speech disorders related to central auditory processing problems. Children may be enrolled full-time or part-time on an out-client basis according to their needs. Diagnostic evaluations at nominal fees are available for children with language and learning problems and speech disorders.

Financial support is provided by Minimum Foundation Program, State Department of Education; federal grant, P.L. 89-313; Forrest-Lamar United Way; and gifts.

University students, upon completing specific courses, may obtain supervised clinical practicum in the school for academic credit and/or clock hours.

Pre-Professional Program in Speech Pathology and Audiology

This undergraduate curriculum is designed to provide a foundation for meeting the Mississippi State Department of Education certification requirements in speech and hearing. The minimum certification level for Speech-Language Clinicians and School Audiologists is Class AA, which requires a master's degree. Therefore, it must be understood that the undergraduate education, described below, will **not** lead to eligibility for certification by the Mississippi State Department of Education. Eligibility for certification will be achieved upon completion of the master's degree in the appropriate area. See the **Graduate Bulletin** for information relating to admission requirements for graduate study. Students considering public school employment in states other than Mississippi are urged to become familiar with the certification requirements in those states.

Undergraduate Program in Education of the Deaf

Bachelor of Arts teaching degrees and Bachelor of Science teaching degrees are offered by the department. Students following the degree plans described in this section under Education of the Deaf will obtain a Class A certificate as a teacher of the deaf.

REQUIREMENTS FOR PRE-PROFESSIONAL BACHELOR OF ARTS DEGREE PROGRAM IN SPEECH-LANGUAGE PATHOLOGY/AUDIOLOGY

FRESHMAN YEAR	SEM. HRS.
ENG 101, 102	6
Laboratory Science (recommended courses include: AST 111, 111L; BSC 103, 103L; CHE 104, 104L; GLY 101, 101L; but any laboratory science in the General Education Curriculum will suffice)	8
MAT 101 or higher	3
SCM 111, 305, or 330; or PHI 253 or 458	3
Fine Arts (AA 100, ART 130, MUS 365, DAN 107 or THE 100)	3
Foreign Language	6
HIS 101	3
SHS 211	3
PED 105	1
FN 167	1
	37

SOPHOMORE YEAR	SEM. HRS.
ENG 203	3
Foreign Language	6
HIS 102	3
ANT 101 or 221; ECO 255; GHY 101, 102, 331 or 341; PS 101, 220, 331, or 425; PSY 110/110L, SOC 101, 240 or 314*	12
PHI 151 or REL 131	3
SHS 201	3
SHS 202, 202L	4
SHS 221	3
	37

JUNIOR YEAR	SEM. HRS.
ENG 333	3
Literature Elective (ENG 200, 201, 202, 205, 350, 351, 370, 371; FL 305; HUM 310, 320, 333, 340, 353, 370)	3
Humanities Elective (AMS 304 or 404, HIS 140 or 141, Literature)	3
PSY 370 or 372	3
Science or Mathematics Elective (Any Category IV elective)	3
SHS 310 (Observation)	1
SHS 311 (Practicum)	1
SHS 401, 402, 403, 411, 419	15
	32

SENIOR YEAR	SEM. HRS.
PSY 374	3
REF 400	3
SHS 311 (Practicum)	1
SHS 410, 412, 414, 421, 430, 431, 432	21
	31
TOTAL:	137

*No more than 3 hours from any one discipline

REQUIREMENTS FOR A BACHELOR OF ARTS DEGREE IN EDUCATION OF THE DEAF

FRESHMAN YEAR	SEM. HRS.
ENG 101, 102	6
Fine Arts (AA 100, ART 130, MUS 365, DAN 107 or THE 100)	3
FN 167	1
Foreign Language	6
HIS 101	3
Laboratory Science (recommended courses include: AST 111, 111L; BSC 103, 103L; CHE 104, 104L; GLY 101, 101L; but any laboratoy science in the General Education Curriculum will suffice)	8
MAT 101 or higher	3
MAT 210	3
PED 105	1
SCM 111, 105, or 330; or PHI 253 or 458	3
SHS 423	3
	40

SOPHOMORE YEAR	SEM. HRS.
ANT 101 or 221; ECO 255; GHY 101, 102, 331 or 341; PS 101, 220, 331 or 425; SOC 101, 240 or 314*	9
Foreign Language	6
HIS 102	3
PHI 151 or REL 131	3
PSY 110/110	3
SHS 201	3
SHS 202, 202L	4
SHS 310	1
SHS 311	1
SHS 429	3
SHS 437	3
	39

JUNIOR YEAR	SEM. HRS.
ENG 203, 370	6
Humanities Elective (AMS 304 or 404, HIS 140 or 141, Literature)	3
PSY 370 or 372	3
Science or Mathematics Elective (Any Category IV elective)	3
SHS 311 (Practicum)	2
SHS 221, 401, 402, 421, 422, 440	18
	35

SENIOR YEAR	SEM. HRS.
ENG 333	3
PSY 374	3
REF 400	3
SHS 311 (Practicum)	2
SHS 425, 433, 435, 436, 426/438, 495	18
SPE 400	3
	32
TOTAL:	146

*No more than 3 hours from any one discipline

In addition to course requirements, students must meet all teacher education certification requirements.

REQUIREMENTS FOR PRE-PROFESSIONAL BACHELOR OF SCIENCE DEGREE IN SPEECH-LANGUAGE PATHOLOGY/AUDIOLOGY

FRESHMAN YEAR	SEM. HRS.
ENG 101, 102	6
Fine Arts (AA 100, ART 130, MUS 365, DAN 107 or THE 100)	3
FN 167	1
HIS 101, 102	6
Laboratory Science (recommended courses include: AST 111, 111L; BSC 103, 103L; CHE 104, 104L; GLY 101, 101L but any laboratory science in the General Education Curriculum will suffice)	8
MAT 101 or higher	3
PED 105	1
SCM 111, 305, or 330; or PHI 253 or 458	3
SHS 211	3
	34

SOPHOMORE YEAR	SEM. HRS.
ANT 101 or 221; ECO 255; GHY 101, 102, 331 or 341; PS 101, 220, 331, or 425; PSY 110/110L, SOC 101, 240, or 314*	12
ANT 101, 221; ECO 255; GHY 101, 102, 331, 341; PS 101, 220, 331, 425; PSY 110/110L; SOC 101, 240, 314	3
ENG 203	3
Foreign Language	6
PHI 151 or REL 131	3
SHS 201	3
SHS 202, 202L	4
SHS 221	3
	37

JUNIOR YEAR	SEM. HRS.
ENG 333	3
Humanities Elective (AMS 304 or 404, HIS 140 or 141, Literature)	3
Literature Elective (ENG 200, 201, 202, 205, 350, 351, 370, 371; FL 305; HUM 310, 320, 333, 340, 353 370)	3
PSY 370 or 372	3
Science or Mathematics Elective (Any Category IV elective)	3
SHS 310 (Observation)	1
SHS 311 (Practicum)	1
SHS 401, 402, 403, 411, 419	15
	32

SENIOR YEAR	SEM. HRS.
PSY 374	3
REF 400	3
SHS 311 (Practicum)	1
SHS 410, 412, 414, 421, 430, 431, 432	21
SPE 400	3
	31
TOTAL:	134

REQUIREMENTS FOR A MINOR IN SPEECH-LANGUAGE PATHOLOGY/AUDIOLOGY

All students pursuing a minor in Speech–Language Pathology/Audiology must complete eighteen (18) semester hours. Courses required are:

	Hours
SHS 211, 221, 401, 423, 425, 431	18

REQUIREMENTS FOR A BACHELOR OF SCIENCE DEGREE IN EDUCATION OF THE DEAF

FRESHMAN YEAR	SEM. HRS.
ENG 101, 102	6
Fine Arts (AA 100, ART 130, MUS 365, DAN 107 or THE 100)	3
Laboratory Science (recommended courses include: AST 111, 111L; BSC 103, 103L; CHE 104, 104L; GLY 101, 101L but any laboratory science in the General Education Curriculum will suffice	8
MAT 101 or higher	3
MAT 210	3
PED 105	1
SCM 111, 305, or 330; or PHI 253 or 458	3
FN 167	1
HIS 101, 102	6
SHS 211	3
	37

SOPHOMORE YEAR	SEM. HRS.
ANT 101 or 221; ECO 255; GHY 101, 102, 331 or 341; PS 101, 220, 331, or 425; SOC 101, 240 or 314*	9
ANT 101, 221; ECO 255; GHY 101, 102, 331, 341; PS 101, 220, 331, 425; PSY 110/110L; SOC 101, 240, 314	3
ENG 203	3
Foreign Language	6
PHI 151 or REL 131	3
PSY 110/110L	3
SHS 201	3
SHS 202, 202L	4
SHS 310	1
SHS 311	1
SHS 429	3
	39

JUNIOR YEAR	SEM. HRS.
ENG 203, 370	6
Humanities Elective (AMS 304 or 404, HIS 140 or 141, Literature)	3
PSY 370 or 372	3
Science or Mathematics Elective (Any Category IV elective)	3
SHS 311 (Practicum)	2
SHS 221, 401, 402, 421, 422, 440	18
	35

SENIOR YEAR	SEM. HRS.
ENG 333	3
PSY 374	3
REF 400	3
SHS 311 (Practicum)	2
SHS 425, 426/438, 433, 435, 436, 495	18
SPE 400	3
	32
TOTAL:	143

*no more than 3 hours from any one discipline

In addition to course requirements, students must meet all teacher education certification requirements.

COLLEGE OF SCIENCE AND TECHNOLOGY
ACADEMIC OFFERINGS
1989-1990

School/Department	Major	Degree***
SCHOOL OF ENGINEERING TECHNOLOGY		
	ARCHITECTURAL ENGINEERING TECHNOLOGY	BS
	Computer-Aided Drafting and Design Technology Emphasis	
	COMPUTER ENGINEERING TECHNOLOGY	BS
	CONSTRUCTION ENGINEERING TECHNOLOGY	BS
	ELECTRONICS ENGINEERING TECHNOLOGY*	BS
	INDUSTRIAL ENGINEERING TECHNOLOGY	BS
	Manufacturing Technology Emphasis	
	MECHANICAL ENGINEERING TECHNOLOGY	BS
	PRE-ENGINEERING**	
BIOLOGICAL SCIENCES		
	BIOLOGICAL SCIENCES*	BA,BS
	Botany Emphasis	
	Environmental Biology Emphasis	
	Marine Biology Emphasis	
	Microbiology Emphasis	
	Molecular Biology Emphasis	
	Zoology Emphasis	
	(GENETICS)****	
CHEMISTRY		
	CHEMISTRY*	BS
	ACS Certified Emphasis	
	Non-ACS Certified Emphasis	
	Biochemistry Emphasis	
COMPUTER SCIENCE AND STATISTICS		
	COMPUTER SCIENCE*	BS
	Applied Computer Science Emphasis	
	Computer Science Emphasis	
	Data Processing Emphasis	
	Statistics Emphasis	
GEOLOGY		
	GEOLOGY*	BS
MATHEMATICS		
	MATHEMATICS*	BA,BS
MEDICAL TECHNOLOGY		
	MEDICAL TECHNOLOGY	BS
PHYSICS AND ASTRONOMY		
	PHYSICS*	BS
POLYMER SCIENCE		
	POLYMER SCIENCE*	BS
SCIENCE EDUCATION		
	SCIENCE EDUCATION*	BS
	Biological Science Emphasis	
	Chemistry/Physics Emphasis	
	General Science Emphasis	

ADDITIONAL PROGRAMS

(GENERAL SCIENCE)****
(PREPROFESSIONAL PROGRAMS)
Pre-Architecture**
Pre-Cytotechnology**
Pre-Dental**
Pre-Dental Hygiene**
Pre-Medical**
Pre-Medical Records Administration**
Pre-Occupational Therapy**
Pre-Optometry**
Pre-Pharmacy**
Pre-Physical Therapy**
Pre-Respiratory Therapy**
Pre-Veterinary**

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*Minor Available
**These programs do not lead to degrees. Students in a preprofessional program will select an academic major with an emphasis in the appropriate preprofessional area. They will either complete the degree or transfer to the appropriate professional school after satisfying its entrance requirements.
***Degree Abbreviations: (BA) Bachelor of Arts, (BS) Bachelor of Science
****Minor Only Available

COLLEGE OF SCIENCE AND TECHNOLOGY

G. David Huffman, Dean
Hattiesburg, MS 39406-5165
(601) 266-4883
C. Howard Heiden, Assistant Dean
Hattiesburg, MS 39406-5165
(601) 266-4883

The College of Science and Technology provides training in all of the classical fields of science, several contemporary multidisciplinary areas, and "career-oriented" technology degree programs.

The College of Science and Technology is organized into one school, ten departments, and six institutes. The departments include Biological Sciences, Chemistry, Computer Science and Statistics, Geology, Marine Science, Mathematics, Medical Technology, Physics and Astronomy, Polymer Science, and Science Education. Administered by the College is the School of Engineering Technology which includes programs in Architectural, Computer, Construction, Electronics, Industrial, and Mechanical Engineering Technology; and Manufacturing Technology at the graduate level. The institutes are the Institute of Environmental Science, the Institute of Genetics, the Institute of Microbiology and Related Science, the Institute of Surface Coatings, the Mississippi Polymer Institute, and the Center for Marine Science.

Preprofessional programs are offered by the College of Science and Technology in the following health related areas: medicine, dentistry, veterinary medicine, pharmacy, physical therapy, respiratory therapy, optometry, dental hygiene, medical records administration, occupational therapy, and cytotechnology. These programs are administered by the Premedical and Health Professions Office. The College also provides a pre-engineering curriculum and a prearchitecture curriculum.

The College shares with the College of Education and Psychology joint responsibility for the Department of Science Education, embracing a sequence of courses titled Fundamentals of Science, and offering a major in science education for teachers.

A student wishing to obtain either a Bachelor of Science or Bachelor of Arts degree from the College of Science and Technology must complete the following College of Science and Technology requirements.

		Hours
I.	**Reasoning and Communication Skills** (18 hours)	
	English 101, 102 and 333 (ENG 332 for preservice teachers)	9
	Computer Science (excluding CSS 100) or Logic (PHI 253)	3
	*Mathematics (MAT 101 or higher)	6
II.	**Humanities and Fine Arts** (12 hours)	
	World Literature (ENG 203)	3
	World Civilization (HIS 101 and HIS 102)	6
	Allied Arts, Art, Music, or Theater (one of AA 100, ART 130, DAN 107, MUS 365, THE 100)	3
III.	**Social and Behavioral Sciences** (6 hours)	
	Anthropology, Economics, Geography, Psychology, Political Science, Sociology (one course from any two of the preceding areas; ANT 101 or 221; ECO 200 or 255; GHY 101, 102, 331, or 341; PS 101, 220, 331, or 425; PSY 110 or 375; SOC 101, 240, or 314)	6
IV.	**Natural and Applied Sciences** (17 hours)	
	Minimum of 8 hours of Laboratory Science, excluding Fundamentals of Science	14
	*Mathematics	3
V.	**Human Wellness** (2 hours)	
	Food and Nutrition (FN 167)	1
	Physical Fitness (PED 105)	1
	TOTAL:	55

*Must include at least one course in Calculus among the 9 hours of Mathematics taken.

NOTE: The student seeking a Bachelor of Arts degree must complete three additional hours of foreign language and meet the following requirements:

*Foreign Language 6-9

*Students who have two years of the same language in high school and who make satisfactory placement test scores may meet the language requirement by completing six semester hours at the 200-level or above.

In addition to the degree programs offered by the College of Science and Technology, minors are available in the areas noted previously under "Academic Offerings." The multidisciplinary General Science minor requires twenty-seven (27) hours from two or more appropriate fields (biological sciences, chemistry, computer science, geology, mathematics, and physics) with at least eight hours from each field included.

CENTER FOR MARINE SCIENCE

G.A. Knauer, Director
John C. Stennis Space Center
Stennis Space Center, MS 39529
(601) 688-3177

The Center for Marine Science (MAR) is located at the John C. Stennis Space Center on the Mississippi Gulf Coast near Bay St. Louis, MS. Graduate level multidisciplinary research and educational programs are offered in the four core areas of marine science: biological, chemical, geological, and physical marine science.

Introductory core area courses and laboratories are open to qualified undergraduate students (see course descriptions for details and prerequisites). The Center is cooperating with the Departments of Biological Sciences, Chemistry, Geology, and Physics and Astronomy to provide state-of-the-art research and educational opportunities in marine science. Undergraduate students interested in preparing for graduate study in marine science should pursue a bachelor's degree program in their department of choice, developing a strong background in chemistry, physics and mathematics through calculus.

INSTITUTE OF ENVIRONMENTAL SCIENCE

Charles R. Brent, Director
Hattiesburg, MS 39406-5137
(601) 266-4905

The Institute of Environmental Science assembles teams of researchers from all disciplines as needed to undertake applied research in the areas of environmental studies and renewable energy resources. Providing environmental expertise to the community is another major function of the Institute.

MISSISSIPPI POLYMER INSTITUTE

Gordon L. Nelson, Director
Hattiesburg, MS 39406-10076
(601) 266-4868

The Mississippi Polymer Institute was authorized by the Mississippi Legislature in 1983. The purpose of the Institute is to conduct research designed to increase the utilization of Mississippi raw materials in polymers and to support the rapidly growing polymer industry in Mississippi. The Institute is an integral part of the College of Science and Technology and functions in concert with the Department of Polymer Science.

PREMEDICAL AND HEALTH PROFESSIONS OFFICE

Kerry F. Herzinger, Director
Hattiesburg, MS 39406-10006
(601) 266-4724

Faculty Advisers: M. Allen, J. Bedenbaugh, G. Cannon, J. Evans, D. McCain, D. Norris, S. Rosso, R. Scheetz

The Premedical and Health Professions Office administers eleven undergraduate programs that lead to professional study in the following fields: medicine, dentistry, optometry, veterinary

medicine, pharmacy, dental hygiene, physical therapy, occupational therapy, respiratory therapy, cytotechnology, and medical records administration. These preprofessional programs vary greatly in content and duration; all are designed to prepare students for admission to the appropriate professional school. Students interested in any of these fields are urged to contact the Premedical and Health Professions Office to ensure that the proper courses are taken and the necessary procedures are followed. For details regarding the individual programs, consult the descriptions below.

PRE-MEDICAL PROGRAM

Schools of medicine have fundamentally similar minimal requirements for admission. Generally, these requirements include completion of specified courses in English, biology, chemistry, physics, and mathematics; completion of a baccalaureate degree; and scores from the nationally-administered Medical College Admission Test (MCAT). The minimal curriculum serves only as a foundation upon which a complete academic program is built.

The curriculum outlined here meets only **minimal** requirements for admission to the School of Medicine of the University of Mississippi and to other medical schools. The student and pre-medical adviser plan a complete program of study which will satisfy the personal educational needs of the student while enabling the student to compete for admission to medical school. Pre-medical students do not receive a degree in "pre-med." Rather, as they follow a pre-medical curriculum, they work toward completing a baccalaureate degree in the field of their choice by meeting the requirements for the college core, a major field, and a minor field where applicable, with a total of 128 hours. Generally, the first two years are devoted to meeting the pre-medical and college core requirements and the last two in completing pre-medical electives and remaining degree requirements. Students usually take the MCAT the spring of the junior year and apply to medical school the following summer.

Exceptional students with as few as 90 semester hours credit, who otherwise meet admissions criteria, may be admitted to medical school; under certain conditions, these individuals may transfer credits from their first year at medical school and receive the bachelor's degree from the University of Southern Mississippi.

Minimal Pre-Medical Curriculum

	Hours
BSC 110, 110L; 111, 111L	8
CHE 101, 101L; 102, 102L; 255, 255L; 256, 256L	17
ENG 101, 102	6
MAT 101, 103 or Advanced Electives	6
PHY 101, 101L; 102, 102L (or 201, 201L; 202, 202L)	8 (10)
Advanced (300-400 level) Science Electives, such as comparative anatomy, embryology, genetics, microbiology, histology, biochemistry, analytic chemistry, calculus, and advanced physics	6-8

PRE-DENTAL PROGRAM

Minimal requirements for admission to most schools of dentistry are similar and normally include completion of specified courses in English, biology, chemistry, physics, and mathematics; completion of a baccalaureate degree; and scores from the nationally-administered Dental Admission Test (DAT). The minimal curriculum serves only as a foundation upon which a complete academic program is built.

The curriculum outlined here meets only **minimal** requirements for admission to the School of Dentistry of the University of Mississippi. The student and the pre-dental adviser plan a complete program of study which will satisfy the personal educational needs of the student while enabling the student to compete for admission to dental school. Pre-dental students do not receive a degree in "pre-dent." Rather, as they follow a pre-dental curriculum, they work toward completing a baccalaureate degree in the field of their choice by meeting the requirements for the college core, a major field, and a minor field where applicable, with a total of 128 hours. Generally, the first two years are devoted to meeting the pre-dental and college core requirements and the last two in completing pre-dental electives and remaining degree requirements. Students usually take the DAT the spring of the junior year and make application to dental school the fall of the senior year.

Exceptional students with as few as 90 semester hours credit, who otherwise meet admissions criteria, may be admitted to dental school; under certain conditions, those individuals may transfer credits from their first year at dental school and receive the bachelor's degree from the University of Southern Mississippi.

Minimal Pre-Dental Curriculum

	Hours
BSC 110, 110L; 111, 111L	8
CHE 101, 101L; 102, 102L; 255, 255L;256, 256L	17
ENG 101, 102, 333, and one Literature Elective	12
MAT 101, 103, or Advanced Electives	6
PHY 101, 101L; 102, 102L, (or 201, 201L; 202, 202L)	8 (10)
Advanced Biological Sciences or Chemistry Elective: among those recommended are BSC 461, 461L; 486, 486L; CHE 311, 311L; 421, 427L	4
Behavioral Science Electives (psychology or sociology)	6

PRE-DENTAL HYGIENE PROGRAM

The University of Southern Mississippi offers a two year preprofessional program in dental hygiene. Two additional years, leading to a baccalaureate degree, are taken within the Department of Dental Hygiene, University of Mississippi Medical Center. To be eligible for admission to the Medical Center, candidates must have completed a minimum of 63 semester hours (see recommended curriculum below) with a minimum grade point average of 2.00. In addition, all applicants must take the Dental Hygiene Aptitude Test (DHAT). The DHAT should be taken no later than the fall prior to planned entry into the program at the Medical Center.

Minimal Pre-Dental Hygiene Curriculum

	Hours
BSC 110, 110L; 250, 250L; 251, 251L; 380, 380L	16
CHE 101, 101L; 102, 102L	8
ENG 101, 102	6
MAT 101	3
PSY 110	3
PSY 370, 372, 375 or 436	3
SOC 101	3
SCM 111	3
Fine Arts Elective	3
Humanities Electives	6
Social Science Electives	9

PRE-VETERINARY PROGRAM

Residents of Mississippi wishing to study veterinary medicine may ordinarily make application only to the College of Veterinary Medicine, Mississippi State University. Criteria for admission to that college are given in the MSU publication "Requirements for Application to the College of Veterinary Medicine," which is available from the pre-veterinary adviser. Candidates are evaluated on the basis of pre-veterinary academic preparation, as well as expertise in management of domestic animals and experience within the food-animal industry.

The curriculum presented here satisfies **minimal** course requirements for admission to MSU College of Veterinary Medicine. Although only sixty-five (65) semester hours are required for admission, students are strongly advised to work towards completing the baccalaureate degree in a field of science by meeting requirements for the college core, a major field, and a minor field where applicable, with a total of 128 hours. Students may acquire experience with local veterinary clinics through a co-op program offered by the Office of Cooperative Education.

Minimal Pre-Veterinary Curriculum

	Hours
BSC 110, 110L; 111, 111L	8
CHE 101, 101L; 102, 102L; 255, 255L; 256, 256L	17
CSS 100	3
ENG 101, 102	6
MAT 101, 103, or Advanced Electives in mathematics	6
PHY 101, 101L; 102, 102L	8
SCM 111	3
Humanities and Fine Arts Electives	9
Social and Behavioral Science Electives	6

PRE-PHARMACY PROGRAM

Colleges of pharmacy normally require two years of preprofessional training, but minimal requirements for admission vary. The student and the pre-pharmacy adviser will design the academic program to meet the specific admission criteria for the college of pharmacy which the student wishes to attend. The program outlined here meets admission requirements of the School of Pharmacy of the University of Mississippi. A minimum of 65 semesters hours is required.

Minimal Pre-Pharmacy Curriculum

	Hours
BSC 110, 110L; 111, 111L; 380, 380L	12
CHE 101, 101L; 102, 102L; 255, 255L; 256, 256L	17
ENG 101, 102	6
MAT 101, 103, or Advanced Electives	6
PHY 101, 101L; 102, 102L	8
Social Science and Humanities Electives to include at least 6 hours in psychology, sociology and/or political science and 3 hours in economics	21

NOTE: The Pharmacy College Admission Test (PCAT) is required by the University of Mississippi; it may also be required by other schools. It is given in February, April, and November of each year.

PRE-PHYSICAL THERAPY PROGRAM

The curriculum outlined here fulfills course requirements for admission to the Department of Physical Therapy, School of Health Related Professions, University of Mississippi Medical Center. A minimum of sixty-five (65) semester hours is required, and students must have observed the work of two clinical departments of physical therapy for at least sixteen (16) hours prior to application. A student wishing to enter another professional school will plan an appropriate curriculum with the adviser for the pre-physical therapy program.

Minimal Pre-Physical Therapy Curriculum

	Hours
BSC 110, 110L; 111, 111L; and 361, 361L, or 250, 250L and 251, 251L	12 or 16
CHE 101, 101L; 102, 102L	8
ENG 101, 102	6
MAT 101	3
PHY 101, 101L; 102, 102L	8
PSY 110; and 370, 375, or 436	6
SCM 111	3
Sociology, economics, political science, history, or anthropology Elective	3
Humanities Electives in foreign language, literature, philosophy, or religion	6
Fine Arts Elective in art, music, dance, or theater	3

PRE-OPTOMETRY PROGRAM

Students wishing to study optometry must complete three or more years in a preprofessional program. Currently, programs at the University of Alabama at Birmingham, the Southern College of Optometry in Memphis, Tenn., and the University of Houston in Houston, Tex., admit residents of Mississippi to professional study. The criteria for admission to these programs are dissimilar, and the student and pre-optometry adviser will determine the exact preprofessional curriculum to be followed. The curriculum outlined here is illustrative and does not reflect the specific entrance requirements of a particular school of optometry.

Minimal Pre-Optometry Curriculum

	Hours
BSC 110, 110L; 111, 111L; 380, 380L	12
CHE 101, 101L; 102, 102L; 255, 255L	12
ENG 101, 102	6
MAT 101, 103, 167 (or 314)	9
PHY 101, 101L; 102, 102L	8
PSY 110	3
Social Science and Humanities Electives	8-24
Statistics (CSS 211 or PSY 360)	3

Additional electives to meet total credit hour requirements for school selected.

NOTE: The Optometry College Admission Test (OCAT) is a requirement for admission to all colleges of optometry and should be taken in the fall of the third year of pre-professional study.

PRE-HEALTH RECORD ADMINISTRATION PROGRAM

The preprofessional curriculum outlined below prepares students for the two-year professional program within the Department of Health Record Administration, School of Health Related Professions, University of Mississippi Medical Center. Acceptance into the professional program is dependent upon the degree of preparation and level of academic achievement of candidates, is highly competitive, and is administered solely by the University of Mississippi. Students completing the professional program receive the B.S. degree in medical records administration from the University of Mississippi.

Minimal Curriculum in Pre-Health Record Administration

	Hours
ACC 201, 202	6
BSC 110, 110L; 111, 111L; 250, 250L; 251, 251L	16
CSS 100	3
ENG 101, 102, Literature Electives	12
MAT 101, 103	6
PSY 110	3
SCM 111	3
Fine Arts Elective	3

Additional electives should be taken to bring total semester hours credit to 65. Suggested electives include BSC 280, PSY 251, BED 300, 352, CSS 211, 240, MGT 360.

PRE-CYTOTECHNOLOGY PROGRAM

The curriculum outlined below prepares students for the two-year professional program within the Department of Cytotechnology of the School of Health-Related Professions, University of Mississippi Medical Center. Students completing the professional program receive the B.S. degree from the University of Mississippi.

Minimal Pre-Cytotechnology Curriculum

	Hours
BSC 110, 110L; 111, 111L; 380, 380L; Elective	16
CHE 101, 101L; 102, 102L; 255, 255L; 256, 256L	17
ENG 101, 102	6
MAT 101, 103	6
Fine Arts Elective	6
Humanities Electives	6
Social Science Elective	3
Electives	8

PRE-OCCUPATIONAL THERAPY PROGRAM

The preprofessional curriculum outlined below prepares students for the two-year professional program administered jointly by Louisiana State University and the University of Mississippi Medical Center. Students completing the professional program receive the B.S. degree from the Louisiana State University Medical Center.

Minimal Pre-Occupational Therapy Curriculum

	Hours
BSC 110, 110L; 111, 111L	8
CHE 101, 101L	4
ENG 101, 102, and Elective	9
MAT 101, 103	6
PHY 101, 101L	4
PSY 110	3
SOC 101	3
Humanities Elective	3
Psychology Electives	6
Electives	14

PRE-RESPIRATORY THERAPY PROGRAM

The preprofessional curriculum outlined below prepares students for the two-year professional program within the Department of Respiratory Therapy, School of Health-Related Professions, University of Mississippi Medical Center. Students completing the professional program receive the B.S. degree from the University of Mississippi.

Minimal Pre-Respiratory Therapy Curriculum

	Hours
BSC 110, 110L; 250, 250L; 251, 251L; 380, 380L	16
CHE 101, 101L; 102, 102L	8
ENG 101, 102	6
MAT 101, 103	6
PHY 101, 101L	4
PSY 110	3
SCM 111	3
Fine Arts Elective	3
Humanities Electives	6
Social Science Elective	3
Electives	7

SCHOOL OF ENGINEERING TECHNOLOGY

B.J. Covington, Director
Hattiesburg, MS 39406-5137
(601) 266-4895/6

K. Ali, Brent, R. A. Cade, Collins, [1]Fitch, Gehman, Hajjar, Harrison, Heiden, Houston, Huffman, Johnsey, Jordan, Leybourne, Lipscomb, Marchman, Mathis, McGowen, Mueller, [1]J. Meyers, Salinas, Stanley, [1]Thomas, Vajpayee

[1] USM Gulf Coast

The School of Engineering Technology offers six undergraduate programs with direct application to industry:

Architectural Engineering Technology
Computer Engineering Technology
Construction Engineering Technology
Electronics Engineering Technology
Industrial Engineering Technology
Mechanical Engineering Technology

All programs are accredited by the Technology Accreditation Commission of the Accreditation Board for Engineering and Technology (TAC/ABET). The School also offers a two-year pre-engineering program and a program leading to the Master of Science in Manufacturing Technology.

The Engineering Technology programs provide career-oriented technical education that enables graduates to enter positions with skills that are in high demand in modern industry. All programs are geared to accept transfer students from accredited community/junior colleges and technical institutes. Some guidance for transfer students is provided with the individual program information in this section; however, students planning to transfer to the School of Engineering Technology are urged to contact the appropriate Program Coordinator for details.

ARCHITECTURAL ENGINEERING TECHNOLOGY

(Accredited by the Technology Accreditation Commission of the Accreditation Board for Engineering and Technology)

George L. Mathis, Coordinator
Hattiesburg, MS 39406-5137
(601) 266-4894

The Architectural Engineering Technology Program provides the student with a technical background in architectural principles and physical sciences balanced by a foundation of humanities, social sciences, and communications. The program incorporates a design/build curriculum with sufficient diversity to serve the drawing, estimating, and sales representative needs of the construction industry. Graduates are employed primarily by architectural, engineering, construction, and subcontracting firms, materials manufacturers and suppliers, and utilities companies. Students desiring to transfer to a school of architecture should consult their adviser early in their course of studies. With appropriate experience, graduates may seek professional status, such as Certified Engineering Technologist. The recommended sequence of courses is as follows:

REQUIREMENTS FOR A MAJOR IN ARCHITECTURAL ENGINEERING TECHNOLOGY

FRESHMAN YEAR	SEM. HRS.
ACT 123, 123L, 132, 132L*, 204, 222	12
ARE 207	3
ENG 101, 102	6
FN 167	1
HIS 101, 102	6
MAT 101, 103	6
PED 105	1
	35

SOPHOMORE YEAR	SEM. HRS.
ACT 241, 261, 261L, 262, 262L, 324 324L, 235, 235L, 336, 336L	18
BCT 205, 205L	3
MAT 136, 137	6
PHY 105, 105L, 106, 106L	8
	35

JUNIOR YEAR	SEM. HRS.
ACT 315, 316, 325, 326, 342, 343, 363, 363L, 364, 364L	24
BCT 454	3
ECO 255	3
ENG 333	3
MET 342L	1
	34

SENIOR YEAR	SEM. HRS.
ACT 301; BCT 455	6
ACT 400, 401, 445, 465, 465L	12
CPY 301	1
ENG 203	3
MET 444	3
Science Core**	3
Social and Biological Science**	3
	31
TOTAL:	135

*May be waived for one year of high school architectural drafting.
**See adviser for approved courses.

Requirements for an Emphasis in Computer-Aided Design and Drafting Technology

This program provides graduates of associate degree programs in Design and Drafting Technology with a technical background emphasizing computer applications for drafting, design, estimating, and manufacturing. The recommended sequence of courses is as follows:

JUNIOR YEAR	SEM. HRS.
ACT 235, 301, 302, 315, 316, 336	18
FN 167	1
HIS 101	3
MAT 136, 137	6
MET 201	3
PED 105	1
	32

SENIOR YEAR	SEM. HRS.
ACT 338, 400, 401, 404, 423	15
BCT 454, 455	6
ENG 203, 333	6
INT 300	3
MET 420	3
Technical Elective	3
	36

COMPUTER ENGINEERING TECHNOLOGY

(Accredited by the Technology Accreditation Commission of the Accreditation Board for Engineering and Technology)

Allen E. Leybourne, Coordinator
Hattiesburg, MS 39406-5137
(601) 266-5674

The major in Computer Engineering Technology offers the student a variety of topics concerning the uses of computers and digital electronics in our technical society. The plan of study leading to the baccalaureate degree provides the student with practical applications of computer technology in combination with the theoretical background necessary for a well rounded education. Extensive laboratory experience aids the student in the design, analysis, and application of digital electronics to the problems encountered in modern technology. Graduates of this program are expected to be knowledgeable in digital electronics, computer hardware, and applications involving the computer as a problem-solving tool.

REQUIREMENTS FOR A MAJOR IN COMPUTER ENGINEERING TECHNOLOGY

FRESHMAN YEAR	SEM. HRS.
CET 370, 370L	4
CSS 330, 340	6
ELT 110, 110L	5
ENG 101, 102	6
Fine Arts Elective	3
FN 167 and PED 105	2
MAT 101, 103 or 133	6
SCM 111	3
	35

SOPHOMORE YEAR	SEM. HRS.
CHE 101, 101L	4
CSS 240	3
ELT 111, 111L; 210, 210L	9
HIS 101, 102	6
MAT 136, 137	6
PHY 105, 105L; 106, 106L	8
	36

JUNIOR YEAR	SEM. HRS.
CET 323, 324	6
CET 470, 470L	4
CSS 341	3
ELT 211, 211L; 212, 212L	8
ELT 315, 315L	4
ENG 203	3
Social Science Elective	3
One elective from: INT 301; INT 302; ELT 316, 316L; ELT 412, 412L	3-4
	34-35

SENIOR YEAR	SEM. HRS.
CET 471, 471L, 474, 477, 478, 478L	14
CET Elective	4
CSS 350, 425, 426	9
ENG 333	3
Social Science Elective	3
	33

TOTAL: 138-139

CONSTRUCTION ENGINEERING TECHNOLOGY

(Accredited by the Technology Accreditation Commission of the Accreditation Board for Engineering and Technology.)

David A. Marchman, Coordinator
Hattiesburg, MS 39406-5137
(601) 266-5402

The construction program is designed to educate the CONSTRUCTOR, utilizing a varied education base of business management, building technology, construction, and socio-humanistic studies. Constructor graduates enter the industry in field and office technology, estimating and project management of residential, commercial, industrial heavy-highway, and utility construction. The recommended sequence of courses is as follows:

REQUIREMENTS FOR A MAJOR IN CONSTRUCTION ENGINEERING TECHNOLOGY

FRESHMAN YEAR	SEM. HRS.
AA 100 or ART 130	3
ACT 132*, 132L*, 204	6
BCT 101	2
ENG 101, 102	6
FN 167	1
GLY 101	3
HIS 101, 102	6
MAT 101, 103	6
PED 105	1
	34

SOPHOMORE YEAR	SEM. HRS.
ACT 241	3
BCT 205, 205L, 235, 336	9
ENG 203	3
GBA 295	3
MAT 136, 137	6
MET 201	3
PHY 105, 105L, 106, 106L	8
	35

JUNIOR YEAR	SEM. HRS.
ACT 315, 316, 326, 342, 343	15
BCT 307, 374, 375	7
ECO 255	3
ENG 333	3
ACC 201	3
MGT 360	3
	34

SENIOR YEAR	SEM. HRS.
BCT 358, 444, 445, 454, 455, 476, 477	21
CPY 301	1
INT 301	3
MET 444	3
Social and Behavioral Science Core	3
	31
TOTAL:	134

*May be waived for one year of high school architectural drafting.

ELECTRONICS ENGINEERING TECHNOLOGY

(Accredited by the Technology Accreditation Commission of the Accreditation Board for Engineering and Technology)

Theodore F. Bogart, Jr., Coordinator
Hattiesburg, MS 39406-5137
(601) 266-4897

The major in Electronics Engineering Technology covers a variety of topics in modern electronics, including electronic devices, digital systems and microprocessors, instrumentation, control systems, power systems and communications electronics. Graduates will have extensive knowledge of electronics and will be qualified to fill supervisory positions in the electronics industry.

The Electronics Engineering Technology major is offered both as a 4-year baccalaureate program (requirements in this section) or as a "two-plus-two" program. Students transferring from a junior college or technical institute should have completed the following courses in order to complete the program in 4 regular semesters:

1. Freshman and sophomore level courses in basic electricity and electronics (28 sem. hrs.) (normally satisfied by Associate Degree in Electronics Technology),
2. English composition (6 sem. hrs.)
3. College algebra and trigonometry (6 sem. hrs.)
4. Physics with laboratory (8 sem. hrs.)
5. Computer programming (BASIC) (3 sem. hrs.)
6. Other courses applicable to the General Core Curriculum (12 sem. hrs.).

REQUIREMENTS FOR A MAJOR IN ELECTRONICS ENGINEERING TECHNOLOGY

FRESHMAN YEAR	SEM. HRS.
CHE 104, 104L	4
ELT 100, 110, 110L, 120	10
ENG 101, 102	6
MAT 101, 133	6
MET 201	3
PED 105	1
SCM 111	3
	33

SOPHOMORE YEAR	SEM. HRS.
ELT 111, 111L, 210, 210L, 211, 211L, 230, 240	19
PHY 105, 105L, 106, 106L	8
CSS 240	3
FN 167	1
Fine Arts Elective***	3
	34

JUNIOR YEAR	SEM. HRS.
ELT 312, 315, 315L, 316, 316L, 332, 332L, 333, 333L	19
ENG 333	3
INT 301	3
MAT 136, 137	6
MET 330	3
	34

SENIOR YEAR	SEM. HRS.
ELT 400, 401, 412, 412L, 470, 470L	14
Engineering Technology Elective**	3
ENG 203	3
HIS 101, 102	6
INT 302	3
Social and Behavioral Science Core*	6
	35
TOTAL:	136

*Social and Behavioral Science Core may be selected from ANT 101 or 212; ECO 200 or 255; GHY 102, 103, 331, or 341; PS 101, 220, 331, or 425; PSY 110 or 375; SOC 101, 240, or 314 (one course from any two of the preceding areas).
**Technical Elective approved by adviser.
***Fine Arts Elective may be selected from AA 100, ART 130, DAN 107, MUS 365, or THE 100.

ELECTRONICS ENGINEERING TECHNOLOGY AS A MINOR

The recommended Electronics Engineering Technology minor consists of the following courses:

	Hours
ELT 110, 110L, 111, 111L	10
ELT 210, 210L, 211, 211L	8
	18

Although the Electronics Engineering Technology minor requirements may vary some what from the above recommendation depending upon the previous choice of major and the courses already completed, the following guidelines should be observed.

(1) A minimum of 18 semester hours of Electronics Engineering Technology coursework must be taken at this University. Because of accreditation requirements, it is not possible to satisfy the minor by transfer of courses from non-ABET accredited programs at other institutions.

(2) ELT 100 (Introduction to Electronics Engineering Technology) and ELT 411 or 511 (Electronics for Scientists) should not be used to satisfy the minor requirements.

INDUSTRIAL ENGINEERING TECHNOLOGY

(Accredited by the Technology Accreditation Commission of
the Accreditation Board for Engineering and Technology)
Joe D. Jordan, Coordinator
Hattiesburg, MS 39406-5137
(601) 266-5591

The major in Industrial Engineering Technology offers a baccalaureate program designed to prepare students to meet the growing demands of industry for employees with expertise in manufacturing processes, statistical quality control, production management, automation, and computer-aided manufacturing. In addition to the traditional program emphasizing productivity improvement, a special emphasis area in manufacturing is offered. Both programs provide the graduate with a strong background in the technical sciences and applied mathematics, and prepares him or her for a wide spectrum of jobs in the manufacturing, service, and government sectors. Students wishing to transfer into this program should present credit in the following areas: Applied Mathematics, 6 hours; Computer Programming (BASIC and FORTRAN), 6 hours; Physics, 8 hours; Engineering Graphics, 6 hours.

REQUIREMENTS FOR A MAJOR IN INDUSTRIAL ENGINEERING TECHNOLOGY

FRESHMAN YEAR	SEM. HRS.
AA 100	3
ENG 101, 102	6
FN 167	1
HIS 101, 102	6
INT 148, 250	6
MAT 101, 133	6
PED 105	1
Social Science Elective*	3
	32

SOPHOMORE YEAR	SEM. HRS.
CHE 104, 104L	4
CSS 211, 240	6
ENG 203	3
INT 300	3
MAT 136,137	6
MET 201	3
PHY 105, 105L	4
PHY 106, 106L	4
	33

JUNIOR YEAR	SEM. HRS.
ACT 241	3
ENG 333	3
INT 301, 302, 308	9
IVE 360, 362	6
MET 330	3
MET 362	3
SCM 320	3
Science Elective	3
	33

SENIOR YEAR	SEM. HRS.
ELT 411	4
INT 400, 405, 407	9
INT 408, 409, 480	9
INT 410, 410L	4
MET 420	3
Social Science Elective*	3
Technical or Management Elective**	3
	35
TOTAL:	133

*Selected from the General Education Curriculum to meet the requirements of the College of Science and Technology.
**MGT 360, 464, or 465, IVE 462, any INT elective not included above, or other course approved by the program coordinator.

Requirements for an Emphasis in Manufacturing Technology

FRESHMAN YEAR	SEM.HRS.
AA 100	3
ENG 101, 102	6
FN 167	1
HS101, 102	6
INT 148, 250	6
MAT 101, 133	6
PED 105	1
Social Science Elective*	3
	32

SOPHOMORE YEAR	SEM. HRS.
CSS 211, 240	6
ENG 203	3
INT 300	3
MAT 136, 137	6
MET 201	3
PHY 105, 105L, 106, 106L	8
SCM 320	3
Science Elective*	3
	35

JUNIOR YEAR	SEM. HRS.
ENG 333	3
INT 301, 302, 308	9
IVE 360, 362	6
Science Elective*	3
Social Science Elective**	3
Technical Electives**	9
	33

SENIOR YEAR	SEM. HRS.
ELT 411	4
INT 400, 405, 407	9
INT408, 409, 480	9
INT 410, 410L	4
MET 420	3
Technical Electives**	6
	35
TOTAL:	135

*Selected from the General Education Curriculum to meet the requirements of the College of Science and Technology.
**Technical electives are to be manufacturing oriented and must be approved by the Program Coordinator.

INDUSTRIAL ENGINEERING TECHNOLOGY AS A MINOR

The recommended Industrial Engineering Technology minorconsists of the following courses:

	Hours
INT 302, 405, 409, 410	12
Industrial Engineering Technology Electives*	6
	18

*Any other INT course not listed above and numbered 300 or higher.

Although the Industrial Engineering Technology minor requirements may vary from the above recommendations depending upon coursework previously completed, a minimum of 18 semester hours of Industrial Engineering Technology coursework must be taken at this University.

MECHANICAL ENGINEERING TECHNOLOGY

(Accredited by the Technology Accreditation Commission of the Accreditation Board for Engineering and Technology)

Charles Brent, Coordinator
Hattiesburg, MS 39406-5137
(601) 266-4905

The Mechanical Engineering Technology major is concerned with the practical application of engineering principles to the design, operation, and testing of mechanical equipment and systems. Fields of study include robotics, solar energy, strength of materials, machine design, computer programming and applications, digital instrumentation, fluids, hydraulics, air conditioning design, manufacturing materials and processes, and personnel supervision. Students also develop competence in physics and applied mathematics. Graduates are able to solve problems involving the choice of materials, mechanical design, the manufacturing process required, as well as the economic and personnel considerations. Because of the large demand for technically educated men and women, Mechanical Engineering Technology graduates can expect to develop a rewarding, successful career in many employment settings such as industry, government, consulting, or service.

REQUIREMENTS FOR A MAJOR IN MECHANICAL ENGINEERING TECHNOLOGY

FRESHMAN YEAR	SEM. HRS.
AA 100	3
CHE 104, 104L	4
ENG 101, 102	6
FN 167	1
HIS 101, 102	6
INT 148, 250	6
MAT 101 and 103 or 133	6
PED 105	1
	33

SOPHOMORE YEAR	SEM. HRS.
CSS 240	3
ECO 255	3
IVE 360, 362	6
MAT 136, 137	6
MET 201, 330	6
PHY 105, 105L, 106, 106L	8
	32

JUNIOR YEAR	SEM. HRS.
ACT 241, 342, and MET 342L	7
CSS 211	3
ELT 411, 411L	4
ENG 333	3
INT 300, 308	6
MET 331, 331L, 410	7
SCM 320	3
	33

SENIOR YEAR	SEM. HRS.
ENG 203	3
INT 301, 302	6
MET 322, 323, 323L, 362, 400, 420, 444, 444L	20
PSY 110	3
	32
TOTAL:	130

PRE-ENGINEERING CURRICULUM OUTLINES

Ruth A. Cade, Coordinator
Hattiesburg, MS 39406-5137
(601) 266-4955

The pre-engineering curriculum listed below is a two-year, freshman/sophomore level program designed to prepare students to enter the junior year of a four-year engineering school. The program is general in nature and can be applied to the following engineering curricula offered at engineering schools in Mississippi. Students planning to enter pre-engineering should have a strong interest and good aptitude in mathematics.

Aerospace Engineering
Agricultural Engineering
Biological Engineering
Chemical Engineering
Civil Engineering
Electrical Engineering
Industrial Engineering
Mechanical Engineering
Nuclear Engineering
Petroleum Engineering

(Students planning to transfer to out-of-state engineering schools should plan to meet with the pre-engineering adviser at the conclusion of their freshman year to plan an appropriate schedule of sophomore level courses.)

REQUIREMENTS FOR A TWO-YEAR PROGRAM IN PRE-ENGINEERING

FRESHMAN YEAR	SEM. HRS.
CHE 101, 102, 101L, 102L	8
ENG 101, 102	6
INT 148, 250	6
MAT 178, 179	10
SOC 101	3
Electives	2
	35

SOPHOMORE YEAR	SEM. HRS.
CSS 240	3
HIS 101	3
INT 301	3
MAT 280, 385	6
MET 260	3
PHY 201, 202, 201L, 202L	10
PS101	3
PSY 110	3
	34

(Students preparing to enter Chemical or Biological Engineering should take Chemistry 351 and 351L, instead of PS 101, SOC 101, or PSY 110).

DEPARTMENT OF BIOLOGICAL SCIENCES

B. J. Martin, Chair
Fred Howell, Assistant Chair and Graduate Coordinator
Hattiesburg, MS 39406-5018
(601) 266-4748

G. Anderson, Beckett, Biesiot, [5]Cibula, Cliburn, Curry, Ellender, [2]Eleuterius, P. Hanratty, W. Hanratty, [2]Hawkins, [2]Heard, F. Howell, [2]Howse, [4]Knauer, Larsen, [2]McIlwain, Middlebrooks, F. Moore, [1]Murphy-Corb, Norris, [2]Overstreet, [6]Pennington, Pessoney, [2]Poss, [4]Redalje, S. Ross, Rosso, Scheetz, Shearer, [7]Simons, B.C. Smith, [3]Solangi, Stocks, Wang, Wooten, Yarbrough

[1]Delta Regional Primate Research Center; [2]Gulf Coast Research Laboratory; [3]Marine Life; [4]Marine Science Center; [5]National Space Technology Laboratories; [6]U.S. Army Engineers Waterways Experiment Station; [7]U.S. National Park Service.

The Department of Biological Sciences offers a choice of emphasis areas leading to either the Bachelor of Arts or the Bachelor of Science degree in Biological Sciences. These emphasis areas, which are designed to prepare students for careers in several broad fields of the biological sciences, include botany, environmental biology, marine biology, microbiology, molecular biology, and zoology. Information concerning the Master of Science and the Doctor of Philosophy degrees appears in the **Graduate Bulletin.** A student's choice of degree program and of curriculum should be determined in consultation with an adviser.

A. **General Core Curriculum Requirements**

A student majoring in the Department of Biological Sciences must satisfy the general core requirements of the College of Science and Technology.

B. **Departmental Curriculum Requirements and Recommendations**

1. BSC 110, 111, and 370.
2. CHE 101, 102, 255, and 256.
3. MAT 314, or 167, or 178 (May be included as a part of College core. Qualified students may begin their mathematics sequence with MAT 167 or 178.)
4. PHY 101, 102, (or 201, 202).

C. **Required courses for an emphasis in Botany, Environmental Biology, Marine Biology, or Zoology.**

1. BSC 201, 226, 360.
2. A minimum of fifteen (15) additional hours in Biological Sciences. Include at least one course from each of the following groups: Organismal Form, Organismal Function, and Environmental Biology. At least one elected course should be in botany and one in zoology.

   Form Group: BSC 361, 402, 407, 408, 409, 410, 411, 412, 413, 414, 415, 417, 418, 419, 426, 427, 428, 429, 430, 432, 433, 434, 461, 462, 465, 466, 467, 480

   Function Group: BSC 431, 450, 451, 452, 453, 454, 455, 467

   Environmental Group: BSC 435, 440, 441, 442, 443, 444, 445, 489

D. **Required courses for an emphasis in Microbiology**

1. BSC 380, 477, 484, 486, 487.
2. CHE 311/311L, 421, 422.
3. CSS 211 and 240, or 330.
4. A minimum of fourteen (14) additional hours in Biological Science, including at least one course from the Applied Microbiology Group and at least one course from the Advanced Microbiology Group.

Applied Microbiology Group: BSC 481, 488, 489, or MBI 430.

Advanced Microbiology Group: BSC 476, 480, 482, 483, 485.

Other Recommended Electives: BSC 360, 403, 407, 410, 412, 426, 427, 450, 460, 461, 462, 463, 464, 467, 471, 473, 474.

E. **Required courses for an emphasis in Molecular Biology**

1. BSC 380, 476, 477, 484, 486, 487, 492.
2. CHE 421/427L, 422/428L.
3. CSS 211.
4. Interdisciplinary electives.

A minimum of 12 hours from the following electives with at least two courses from one group.

Group I: (Recommended to students in pre-professional rograms)
BSC 454, 460, 461, 463, 464.

Group II: BSC 471, 473.

Group III: CHE 311, 461, 461L, 462, TOX 470.

Group IV: BSC 431, 450, 451, 452.

BIOLOGICAL SCIENCES MINOR

The following is recommended for a minor in Biological Sciences: 18 hours in biological sciences including at least 7 hours numbered 300 or above.

RECOMMENDATIONS FOR EMPHASIS IN BOTANY, ENVIRONMENTAL BIOLOGY, MARINE BIOLOGY, AND ZOOLOGY

FRESHMAN YEAR	SEM. HRS.
BSC 110/110L, 111/111L	8
CHE 101/101L, 102/102L	8
ENG 101, 102	6
MAT 101, 103	6
Elective	3
	31

SOPHOMORE YEAR	SEM. HRS.
BSC 201/201L, 226/226L	6
CHE 255/255L, 256/256L	9
MAT 314	3
General Education Core and Electives	14
	32

Botany Emphasis

JUNIOR YEAR	SEM. HRS.
BSC 360, 370	6
BSC Form Group (402, 426, 427, 428, 429, 430, 432, 433, 434, 462)	3-4
BSC Function Group (431)	3
PHY 101/101L, 102/102L	8
Electives	12
	32-33

SENIOR YEAR	SEM. HRS.
BSC Environmental Group (435)	3
Electives	30
	33

Environmental Biology Emphasis

JUNIOR YEAR	SEM. HRS.
BSC 360, 370	6
BSC Form Group (407, 408, 409, 410, 411, 412, 413, 414, 415, 417, 418, 419, 467, 480)	3-4
BSC Function Group (450, 451 452, 453, 455,)	3-4
PHY 101/101L, 102/102L	8
Electives	12
	32-34

SENIOR YEAR	SEM. HRS.
BSC Environmental Group (440, 441, 442, 443, 444, 445, 489)	3
Electives	28-30
	31-33

Marine Biology Emphasis

JUNIOR YEAR	SEM. HRS.
BSC 360, 370	6
BSC Form Group (361, 408, 409, 414, 415, 427, 428, 430, 461, 462, 467)	3-4
BSC Function Group (450, 451, 452, 453	3-4
PHY 101/101L, 102/102L	8
Electives	12
	32-34

SENIOR YEAR	SEM. HRS.
BSC Environmental Group (435, 440, 441, 442)	3
Electives	28-30
	31-33

Zoology Emphasis

JUNIOR YEAR	SEM. HRS.
BSC 360, 370	6
BSC Form Group (361, 407, 408, 409, 410, 411, 412, 413, 414, 415, 417, 418, 419, 461, 462, 465, 466, 467)	3-4
BSC Function Group (450, 451, 452, 453, 455	3-4
PHY 101/101L, 102/102L	8
Electives	12
	32-34

SENIOR YEAR	SEM. HRS.
BSC Environmental Group (440, 441, 442, 443, 444, 445)	3
Electives	28-30
	31-33

RECOMMENDATIONS FOR AN EMPHASIS IN MICROBIOLOGY

FRESHMAN YEAR	SEM. HRS.
BSC 110/110L, 111/111L	8
CHE 101/101L, 102/102L	8
ENG 101, 102	6
MAT 101, 103	6
General Education Core and Electives	4
	32

SOPHOMORE YEAR	SEM. HRS.
BSC 380/380L and 481/481L, or 488/488L, or 489/489L	8
CHE 255/255L, 256/256L	9
CSS 240, or 330	3
MAT 314, or 167, or 178	3-5
General Education Core and Electives	10
	33-35

JUNIOR YEAR	SEM. HRS.
BSC 370/370L, 484/484L, 487/487L	11
CHE 311/311L	5
PHY 101/101L, 102/102L, or 201/201L, 202/202L	8-10
General Education core and Electives	8-10
	32-36

SENIOR YEAR	SEM. HRS.
BSC 477/477L, 486/486L	8
BSC 480/480L, or 482/482L, or 483/483L, or 485/485L	4
CHE 421, 422	6
CSS 211	3
Electives	11
	32

RECOMMENDATIONS FOR AN EMPHASIS IN MOLECULAR BIOLOGY

FRESHMAN YEAR	SEM. HRS.
BSC 110/110L, 111/111L	8
CHE 101/101L, 102/102L	8
ENG 101, 102	6
MAT 101, 103	6
General Education Core and Electives	4
	32

SOPHOMORE YEAR	SEM. HRS.
BSC 380/380L	4
CHE 255/255L, 256/256L	9
MAT 314, or 167	3
PHY 101/101L, 102/102L, or 201/201L, 202/202L	8-10
General Education Core and Electives	9
	33-35

JUNIOR YEAR	SEM. HRS.
BSC 360, 370/370L, 484/484L, 487/487L	14
CSS 211	3
General Education Core and Electives	15
	32

SENIOR YEAR	SEM. HRS.
BSC 477/477L, 486/486L, 492	10
CHE 421/427L, 422/428L	8
Electives	15
	33

INSTITUTE OF GENETICS

Karen M. Yarbrough, Director
Hattiesburg, MS 39406-5116
(601) 266-5116

The Institute of Genetics participates in programs leading to the Master of Science and the Doctor of Philosophy degrees through the Department of Biological Science. Information on these programs may be obtained from the **Graduate Bulletin**.

GULF COAST RESEARCH LABORATORY

The Department of Biological Sciences is allied with the Gulf Coast Research Laboratory in Ocean Springs. Students at both the undergraduate and graduate levels and faculty at both institutions actively participate in teaching and research activities at the Gulf Coast Research Laboratory. Summer course work at Ocean Springs is strongly recommended. Courses listed as Marine Biology (MBI) are taught only at the Gulf Coast Research Laboratory.

DEPARTMENT OF CHEMISTRY

David Creed Chair
Hattiesburg, MS 39406-5043
(601) 266-4701

Bateman, A. Bedenbaugh, J. Bedenbaugh, Cannon, Elakovich, Evans, Fawcett, Griffin, Heinhorst, Howell, Hoyle, Khanna, McCain, McCormick, McMurtrey, Minn, Pinson, Rayborn, van Aller, Wertz, Wiesenburg, H. P. Williams

A student majoring in Chemistry must work toward the Bachelor of Science degree. For information concerning the Master of Science degree and the Doctor of Philosophy degree, see the **Graduate Bulletin.** A major in Chemistry includes satisfaction of the general core requirements of the University and the College of Science and Technology and no less than thirty-four (34) semester hours of chemistry. A minor is not required. The lecture and laboratory portions of required courses must be taken concomitantly. No chemistry course in which a student receives a grade less than **C** will count toward the chemistry major.

REQUIREMENTS FOR A MAJOR IN CHEMISTRY

FRESHMAN YEAR	SEM. HRS.
CHE 101, 101L, 102, 102L	8
ENG 101, 102	6
HIS 101, 102	6
MAT 103 or 128, 178	8
Electives*	6
	34

SOPHOMORE YEAR	SEM. HRS.
CHE 255, 255L, 256, 256L	9
Fine Arts Core	3
FN 167	1
MAT 179	5
PED 105	1
PHY 101, 101L, 102, 102L, or 201, 201L, 202, 202L	8-10
Elective*	3
	30-32

JUNIOR YEAR	SEM. HRS.
CHE 311, 311L	5
CHE 461, 461L, 462, 462L	8
ENG 203, 333	6
Electives*	15
	34

SENIOR YEAR	SEM. HRS.
CHE 400, 411, 411L	6
CSS 240 or 330	3
Social Science Core	6
Electives*	16
	31
TOTAL:	129-131

*Recommended electives include BSC 380, 380L; CHE 426, 427L, 431, 441, 451 or 496; GER 101, 102, 201, 202; RUS 101, 102, 201, 202; MAT 236, 385; MGT 360, 364; PHY 361; PSC 191, 291, 301, 301L, 302, 302L, 412.

REQUIREMENTS FOR AN ACS CERTIFIED MAJOR IN CHEMISTRY

This emphasis is certified by the Committee on Professional Training of the American Chemical Society. The mathematics and science courses must be taken in the sequences indicated.

FRESHMAN YEAR	SEM. HRS.
CHE 101, 101L, 102, 102L	8
ENG 101, 102	6
FN 167	1
HIS 101, 102	6
MAT 103 or 128, 178	8
PED 105	1
Elective*	3
	33

SOPHOMORE YEAR	SEM. HRS.
CHE 255, 255L, 256, 256L	9
Fine Arts Core	3
MAT 179, 385	8
PHY 201, 201L, 202, 202L	10
Elective*	3
	33

JUNIOR YEAR	SEM. HRS.
CHE 311, 311L, 461, 461L, 462, 462L	13
CSS 240 or 330	3
ENG 333	3
Social Science Core	6
Electives*	6
	31

SENIOR YEAR	SEM. HRS.
CHE 400, 411, 426, 427L, 431, 432	17
CHE 496	3
ENG 203	3
Electives*	9
	32
TOTAL:	129

*Recommended electives include CHE 441, 451, 496L; CSS 340; GER 101, 102, 201, 202; RUS 101, 102, 201, 202; BSC 470; GLY 101; INT 301; MAT 326, 430; MGT 360, 364; PSC 191, 291, 301, 301L, 302, 302L, 412.

REQUIREMENTS FOR A MAJOR IN CHEMISTRY

Biochemistry Emphasis

FRESHMAN YEAR	SEM. HRS.
BSC 110, 110L, 111, 111L	8
CHE 101, 101L, 102, 102L	8
ENG 101, 102	6
MAT 101, 103	6
PED 105	1
Social Science Core	3
	32

SOPHOMORE YEAR	SEM. HRS.
BSC 380, 380L	4
CHE 255, 255L, 256, 256L	9
FN 167	1
HIS 101, 102	6
MAT 314 or 178	3-5
PHY 101, 101L, 102, 102L	8
	31-33

JUNIOR YEAR	SEM. HRS.
BSC 470	3
CHE 311, 311L, 421, 427L, 422, 428L	13
CSS 240 or 330	3
ENG 333	3
Fine Arts Core	3
Life Science Elective*	4
Social Science Core	3
	32

SENIOR YEAR	SEM. HRS.
BSC 486, 486L	4
CHE 361 or 461, 461L	4
Chemistry Electives**	7
ENG 203	3
Electives	15
	33
TOTAL:	128-130

* Life Science electives may be any 300-400 level Biological Sciences Courses; electives recommended for pre-professional students: BSC 361, 410, 451, 454, 460, 461, 463, 465, 475, 481 including laboratories where offered; electives recommended for students planning careers in Biochemistry: BSC 431, 450, 451, 452, 453, 454, 460, 462, 464, 475, 476, 477, 481, 484, 487, 488 including labortories where offered.

** Chemistry electives to be selected from CHE 362, 400, 411, 431, 441, 451, 462, 462L, 496; TOX 470.

COMMON REQUIREMENTS FOR A MAJOR IN CHEMISTRY

(SECONDARY EDUCATION DEGREE)

Students interested in science teaching certification are referred to the Department of Science Education.

CHEMISTRY MINOR

The following is recommended for a minor in Chemistry: 18 hours at the level of 300 and above including CHE 255, 255L, 256, 256L, 311 and 311L.

DEPARTMENT OF COMPUTER SCIENCE AND STATISTICS

James E. Miller, Chair
Hattiesburg, MS 39406-5106
(601) 266-4949

A. Ali, D. Ali, Bisland, R. Bogart, Burge, Burgess, D. Carter, Garraway, Gregg, Huffman, L. Krell, M. Krell, Nowell, Reagan, C. Richardson, Rimes, Verberkmoes, Vilberg,

The Department of Computer Science and Statistics offers a flexible curriculum for undergraduate degrees, allowing students to tailor a program to their interests and career objectives. Under the CSC designation, an accredited degree program in Computer Science is designed to meet the needs of students who plan to attend graduate school or pursue engineering or management-level careers in Computer Science. Under the department designation of CSS, Applied Computer Science prepares a student for application oriented careers and similarly oriented graduate programs. There are three applied emphasis areas within CSS: Applied Computer Science, Statistics, and Data Processing. Interested students are urged to contact the department for additional information. The department also awards the Master of Science degree. For information related to the M.S. degree, please consult the **Graduate Bulletin.**

The department supports an extensive cooperative education program with industry for selective students. The students selected for this program attend school and work on alternate semesters. The curriculum is supported by a DEC VAX11/780, a Harris H800, numerous PCs, an Apollo network, a Micro VAX, a Macintosh lab and an assortment of graphics devices.

REQUIREMENTS FOR A MAJOR IN COMPUTER SCIENCE***

FRESHMAN YEAR	SEM. HRS.
CSC 101, 101L, 102, 102L	8
FN 167	1
ENG 101, 102	6
HIS 101, 102	6
MAT 178, 179	10
PED 105	1
	32

SOPHOMORE YEAR	SEM. HRS.
Allied Arts, Art, Music or Theater	3
CSC 203, 203L, 204, 204L, 205	11
MAT 280, 326, 340	9
PHY 201, 201L, 202, 202L	10
	33

JUNIOR YEAR	SEM. HRS.
CSC 306, 306L, 307, 308, 309	13
Electives*	6
ENG 203, 333	6
MAT 420 or CSS 415	3
SCM 111	3
	31

SENIOR YEAR	SEM. HRS.
CSC 410, 410L, 411, 412, 413, 414, 415**	19
Electives*	6
Science Core	4
Social Science Core	3
	32
TOTAL:	128

*A minor in mathematics is contained in the curriculum. Students interested can choose their electives in such a manner as to earn a second minor. It should be noted that a second minor should require the student to take an additional six hours. Suggested minors are accounting, electronics engineering technology, general business, physics or statistics. If a student does not choose to pursue a second minor, suggested technical electives are MAT 426, 437, 439, 460, PHY 327, 327L, 328, 328L.

**Students should take the Advanced Graduate Record Examination in Computer Science during the senior year and have the scores forwarded to the department.

***A grade of C or better is required on all courses counted toward the computer science major.

REQUIREMENTS FOR A MAJOR IN APPLIED COMPUTER SCIENCE**

Requirements for an Emphasis in Statistics**

FRESHMAN YEAR	SEM. HRS.
CSS 100, 240	6
ENG 101, 102	6
HIS 101, 102	6
MAT 101, 103	6
Music, Allied Arts or Theatre	3
PED 104 and FN 167	2
Social Science Core	3
	32

SOPHOMORE YEAR	SEM. HRS.
CSS 211, 212, 320	9
ENG 203	3
Laboratory Science	8
MAT 167, 168, 169, or 178, 179	9-10
Social Science Core	3
	32 or 33

JUNIOR YEAR	SEM. HRS.
CSS 415, 416, 420, 422, 490	13
ENG 333	3
MAT 326, 340, 385*	9
Science	6
	31

SENIOR YEAR	SEM. HRS.
CSS 330, 340, 350, 417, 418, 425, 435	21
Electives	11
	32
TOTAL:	128

*Students may select a subject other than Mathematics for a minor. The minor consists of eighteen (18) hours. Suggested minors include the following: accounting, electronics engineering technology, geography, or physics.
**A grade of C or better is required on all courses counted toward the computer science major.

Requirements for an Emphasis in Data Processing*

FRESHMAN YEAR	SEM. HRS.
Allied Arts, Art, Music, or Theatre	3
CSS 100, 330	6
ENG 101, 102	6
FN 167 and PED 105	2
HIS 101, 102	6
MAT 101, 103	6
Social Science Core	3
	32

SOPHOMORE YEAR	SEM. HRS.
ACC 201, 202	6
CSS 320, 340, 341	9
ECO 255	3
GBA 295	3
Laboratory Science	8
MAT 312	3
	32

JUNIOR YEAR	SEM. HRS.
ACC 301, 302	6
CSS 342, 350, 422, 211, 212, 490	16
ENG 203	3
MGT 360	3
Science	6
	34

SENIOR YEAR	SEM. HRS.
ACC 320, 330, 401 or 409	9
CSS 442, 480, 481, 490	10
ENG 333	3
Electives	8
	30
TOTAL:	128

This is an interdisciplinary major offered in conjunction with the School of Professional Accountancy, College of Business Administration. A minor is not required.

*A grade of C or better is required on all courses counted toward the computer science major.

Requirements for an Emphasis in Applied Computer Science***

FRESHMAN YEAR	SEM. HRS.
CSS 330, 340	6
ENG 101, 102	6
HIS 101, 102	6
MAT 101, 103	6
Music, Allied Arts, Art or Theater	3
PED 105 and FN 167	2
Social Science Core	3
	32

SOPHOMORE YEAR	SEM. HRS.
Calculus	3
CET 370, 370L	4
CSS 341, 350	6
ENG 203	3
Laboratory Science	8
Minor*	6
Social Science Core	3
	33

JUNIOR YEAR	SEM. HRS.
CSS 342, 441, 460, 461, 490, two CSS electives**	19
Minor	6
Science	6
	31

SENIOR YEAR	SEM. HRS.
CSS 462, 490, two CSS electives, two courses from among CSS 320, 415, 416, 418, 422, 435, 436	16-17
Electives	7
ENG 333	3
Minor	6
	32-33
TOTAL:	128-129

*The minor consists of eighteen (18) hours. Suggested minors include the following: accounting, electronics, engineering technology, general business, mathematics, physics, or statistics.
**Computer Science & Statistics electives may be chosen from the following set of Computer Science & Statistics courses: 240, 410, 420, 421, 423, 424, 425, 426, 430, 431, 442, 480, 481, 485, 486. In addition, the following Computer Engineering Technology courses may serve as Computer Science & Statistics electives: 323, 324, 470 and 470L, 477, 478 and 478L.
***A grade of C or better is required on all courses counted toward the computer science major.

DEPARTMENT OF GEOLOGY

David M. Patrick, Chair
Hattiesburg, MS 39406-5044
(601) 266-4526

Asper[1], Bowen, C. Cameron, D. Dunn, Ingram[2], Meylan, Otvos[3], Russell, L. Smith[4], Sundeen

[1]Department of Marine Science, [2]U.S. Naval Oceanographic Office, [3]Gulf Coast Research Laboratory, [4]U.S. Army Engineer Waterways Experiment Station.

Students may major in Geology as preparation for careers in development of natural resources, regional and national planning, research, secondary education, college and university teaching, oceanography, exploration of the Earth and Space, environmental studies, and other allied occupations. A Bachelor of Science and graduate work through the master's degree are offered in the department.

High School Preparation. Secondary students planning to prepare for professional careers in the geological sciences should complete credits in biology, chemistry, and physics (if available), mathematics through second-year algebra, solid geometry, and trigonometry (or equivalent). Other desirable credits include foreign language, engineering drawing or similar courses in drafting and typing.

Transfer Preparation. Students transferring into Geology from other programs or institutions should note the prerequisites for upper-level geology courses. GLY 101, 101L should be taken no later than the summer preceding the junior year to avoid graduation delay.

COMMON REQUIREMENTS FOR A MAJOR IN GEOLOGY

For the Bachelor of Science in Geology, the following courses, in addition to the requirements of the University Core and the College of Science and Technology, are required:

REQUIRED CURRICULUM FOR GEOLOGY MAJORS

FRESHMAN YEAR	SEM.HRS.
CHE 101, 101L	4
CHE 102, 102L	4
ENG 101, 102	6
FN 167	1
GLY 101, 101L	4
GLY 103, 103L	4
Humanities and Fine Arts	3
MAT 101, 103	6
	32

SOPHOMORE YEAR	SEM. HRS.
BSC 110, 110L	4
CSS 240 or 330	3
GLY 301, 301L	4
GLY 304, 304L	4
Humanities and Fine Arts	3
MAT 178, 179*	8-10
PED 105	1
Social, Behavioral Sciences	3
	30-32

JUNIOR YEAR	SEM. HRS.
ENG 333	3
GLY 308, 308L	4
GLY 311**	6
GLY 341, 341L	4
GLY 380 2	3
GLY 01	3
Humanities and Fine Arts	6
PHY 201, 201L* or 105, 105L	4-5
PHY 202, 202L* or 106, 106L	4-5
	36-38

SENIOR YEAR	SEM. HRS.
GLY 310, 310L	3
Geology:Elect four courses with 400-level numbers	12
Electives	14
Social and Behavioral Sciences	3
	32
TOTAL:	130-134

*A course in Statistics may be substituted for MAT 179. Students seeking careers in geophysics or hydrology and/or intending to pursue advanced studies should elect MAT 179, Statistics PHY 201/201L, and PHY 202/202L.
**Summer Field Camp; to be taken between junior and senior year.

The requirement for field geology may be met by taking summer geology courses offered at marine stations, such as the Gulf Coast Research Laboratory in Ocean Springs, Mississippi, if the student demonstrates extenuating circumstances and upon approval by the Geology Department faculty.

Minors Recommended for Geology Majors

A minor of eighteen (18) hours or more is required. Suggested minors include the following: biology, chemistry, computer science, mathematics, physics, or general science (27 hours).

Geology Minor and Preparation for Secondary Education, General Science Teaching

Students interested in science teaching certification are referred to the Department of Science Education.

DEPARTMENT OF MATHEMATICS

Steve Doblin, Chair
Hattiesburg, MS 39406-5045
(601) 266-4289

L. Bell, Betounes, D.J. Caveny, B. J. Davis, Dunigan,Entrekin, Essary
Fawcett, Fay, Giovannitti, Hind, Hornor, R.W. King, P.W. Lee
Lok, McDowell, Piazza, Putthoff, Pye, Redfern, Smith, Stuart
Thrash, V. VanMeter, Walls,P. Webster, Wuensche

The Department of Mathematics offers a flexible curriculum for baccalaureate degrees, so that individual students may tailor their university mathematics programs to fit specific educational and career objectives. The Bachelor of Arts and Bachelor of Science degrees in mathematics provide sound foundations for a broad latitude of careers in education, industry, business and government. Most of today's challenging careers call for continuing education

beyond the bachelor's degree, and an undergraduate major in mathematics provides a versatile avenue for preparing for advanced studies in a number of fields, including mathematics, computer science, statistics, management science, actuarial science, mathematics education, engineering, applied mathematics, law, and medicine. The Department of Mathematics offers the Master of Science degree, and, in cooperation with the College of Education and Psychology, the coursework to support the Master of Education, the Specialist, the Doctor of Education, and the Doctor of Philosophy degrees. For information concerning degrees beyond the bachelor's degree, please consult the **Graduate Bulletin.**

Students who have completed a college preparatory program in high school should begin their university mathematics programs with MAT 167 or 178. Students without this back ground should elect appropriate mathematics courses inconsultation with their academic advisers. Mathematics majors should take MAT 340 and 326 concurrently with some of the calculus courses. Mathematics majors may **not** enroll in the courses MAT 112, 133, 136, 137, 210, 310, 312, or 314, which are designed to serve the special interests of students in other departments and colleges. The mathematics faculty recommends that all majors include the sequence PHY 201-202 in their programs, and that they obtain two-year proficiency in one of the following languages: French, German, Italian, Russian.

The curriculum of the Department of Mathematics is designed to meet the following objectives:

(1) prepare students for industrial or commercial employment;
(2) prepare students to teach secondary school mathematics;
(3) prepare students for graduate study in mathematics and related fields;
(4) provide supportive courses for other degree programs in the University.

Each student, in consultation with a faculty adviser, should elect the mathematics options that are compatible with his/her career objectives.

REQUIREMENTS FOR A MAJOR IN MATHEMATICS*

FRESHMAN YEAR	SEM. HRS.
Computer Science**	6
ENG 101, 102	6
HIS 101, 102	6
Laboratory Science	8-10
MAT 178, 179 (or 167, 168)	6-10
	32-38

SOPHOMORE YEAR	SEM. HRS.
ENG 203	3
FN 167	1
Humanities and Fine Arts Core	3
MAT 280, 326, 340 (or 169, 280, 326, 340)	9-13
Minor	3
PED 105	1
Science (to complete total of 14 hrs.)	4-6
Social and Behavioral Sciences Core	6
	30-36

JUNIOR YEAR	SEM. HRS.
Electives	9-15
MAT 385	3
Mathematics***	9
Minor	9
	30-36

SENIOR YEAR	SEM. HRS.
Electives	9-15
ENG 333	3
Mathematics***	6
Minor	6
	24-30
TOTAL:	128

*Only those mathematics and computer science courses in which a student makes a grade of C or better will count toward the mathematics major.

**To be selected from among CSS 240, 330, 340, 342, 402.

***To be selected from among MAT courses numbered 316, 320, or above 400, but not to include MAT 370 or 410. Must include 415, or 426 or at least one of the following two-course sequences: 320-420, 418-419, 423-424, 430-431, 441-442, 460-461, 475-476. The faculty urges all students to complete a second two-course sequence.

REQUIREMENTS FOR A MAJOR IN MATHEMATICS WITH PROVISIONAL SECONDARY TEACHER CERTIFICATION*

FRESHMAN YEAR	SEM. HRS.
Computer Science**	6
ENG 101, 102	6
HIS 101, 102	6
Laboratory Science***	8-10
MAT 178, 179 (or 167, 168)	6-10
	32-38

SOPHOMORE YEAR	SEM. HRS.
ENG 203	3
FN 167	1
Fine Arts Core Elective	3
MAT 280, 316 or 326, 340 (or 169, 280, 316 or 326, 340)	9-13
PED 105	1
PSY 110	3
Science	3-4
SCM 111, 305 or 330	3
Social and Behavioral Sciences Core	6
	32-37

JUNIOR YEAR	SEM. HRS.
MAT 370, 385, and two Electives****	12
PSY 374	3
REF 400, 469	6
Science(to complete a total of 14 hrs)	3-4
Social and Behavioral Sciences Core	3
SPE 400	3
	30-31

SENIOR YEAR	SEM. HRS.
CIS 474, 475, 476, 487	17
ENG 332 or 333	3
MAT 457	3
Mathematics****	6
	29
TOTAL:	128

*Only those mathematics and computer science courses in which a student makes a grade of C or better will count toward the mathematics major.
**To be selected from among CSS 240, 330, 340, 342, 402.
***Must include one biological, one physical.
****To be selected from among MAT courses numbered 316, 320 or above 400, but not to include MAT 410. Must include MAT 415, or 426 or at least one of the following two-course sequences: 320-420, 418-419, 423-424, 430-431, 441-442, 460-461, 475-476. The faculty urges all students to complete a second two-course sequence.

MATHEMATICS AS A MINOR

The recommended mathematics minor consists of the following courses:

	Hours
MAT 167, 168, 169, 280 or MAT 178, 179, 280	13
MAT 326, 340	6
MAT 316, 320, 385 or MAT courses numbered above 400 (excluding MAT 410)	3
	22

Although mathematics minor programs may vary from the above recommendations, those courses which do not count toward the mathematics major are specifically excluded from the mathematics minor. Student seeking a minor in mathematics are encouraged to consult a faculty adviser in the Department of Mathematics.

DEPARTMENT OF MEDICAL TECHNOLOGY

M. Jane Hudson, Chair
Hattiesburg, MS 39406-5134
(601) 266-4908

Goodwin, Hall, Myers, Neisler, Rauenhorst

A student majoring in the Department of Medical Technology must complete courses outlined for the freshman, sophomore, and junior years. During the junior year, the student will apply to the department for admission into the senior year. The fourth year consists of two phases: Phase I, a six-month didactic session on the University of Southern Mississippi campus; and Phase II, a six-month clinical session at one of the affiliated hospitals.

Affiliated Hospitals

Forrest General Hospital: Cooke, Norris
Gulf Coast Community Hospital: Daniels, Sachitano
Jones County Community Hospital: Cain, Hutchins,
Memorial Hospital at Gulfport: Atchison, Barnes
Singing River Hospital: Barrett, Magee

The Department of Medical Technology is accredited by the Committee on Allied Health Education and Accreditation of the American Medical Association and the National Accrediting Agency for Clinical Laboratory Sciences. Upon successful completion of the program, students receive the Bachelor of Science degree in Medical Technology and become eligible to take national certifying examinations given by recognized certifying agencies. The following curriculum will satisfy requirements of the College of Science and Technology and of the Department of Medical Technology.

REQUIREMENTS FOR A MAJOR IN MEDICAL TECHNOLOGY

FRESHMAN YEAR	SEM. HRS.
CHE 101, 101L, 102, 102L	8
ENG 101, 102	6
Fine Arts	3
FN 167	1
HIS 101, 102	6
MAT 101, 103, 112, 312, or 314	6
MTC 101	1
	31

SOPHOMORE YEAR	SEM. HRS.
BSC 250, 250L	4
BSC 380, 380L	4
CHE 251, 251L, 321, 321L	8
CSS 240, 330, or 400	3
ENG 203	3
PED 105	1
Social or Behavioral Science	6
	29

JUNIOR YEAR	SEM. HRS.
BSC 410, 410L, 486, 486L	8
CSS 211 or ECO 301	3
ENG 333	3
MTC 302, 302L, 306, 306L, 309, 309L, 400, 400L	18
	32

SENIOR YEAR	SEM. HRS.
Phase I	
MTC 401, 402, 403, 405, 406, 407, 408, 409, 412	32
Phase II	
MTC 451, 452, 455, 457, 458, 459	16
	48

Regardless of courses taken previously, if English is notthe native language of any student, evidence of English proficiency must be provided prior to admission into the senior year. The MTELP (Michigan Test of English Language Proficiency) requirement is "Proficiency II" and is preferred by the department. Alternately, a TOEFL of 560 may be accepted.

For information on the Master of Science degree, please consult the **Graduate Bulletin.**

DEPARTMENT OF PHYSICS AND ASTRONOMY

Grayson H. Rayborn, Chair
Hattiesburg, MS 39406-5046
(601) 266-4934

Eleuterius, Folse, Hughes, Lee, Mauritz, Mead, Messer, Nieuwoudt, Pandey

The primary objectives of the Department of Physics are to provide students with sufficient basic information and technical skills in the various areas of physics so that they may be qualified to serve as teachers in secondary school, serve as physicists in government or industry, or pursue professional work and graduate study in physics.

The department offers programs of study leading to the Bachelor of Science degree in Physics and the Master of Science degree in Physics. Information relating to the MS degree may be found in the **Graduate Bulletin.**

Leaflets giving outlines of undergraduate programs that will meet all departmental and University requirements are available from the Physics Department Office. Students planning to major or minor in physics should obtain these leaflets as soon as possible.

It is assumed that the high school mathematical preparation of entering freshman physics students includes algebra, geometry, and trigonometry.

REQUIREMENTS FOR A MAJOR IN PHYSICS

FRESHMAN YEAR	SEM.HRS.
ENG 101, 102	6
FN 167	1
MAT 178, 179	10
PED 105	1
PHY 201, 201L, 202, 202L	10
Social and Behavioral Science	6
	34

SOPHOMORE YEAR	SEM. HRS.
CHE 101, 101L, 102, 102L	8
CSS 240	3
ENG 333	3
Humanities and Fine Arts	6
MAT 280	3
PHY 361, 361L, 350, 351	10
	33

JUNIOR YEAR	SEM. HRS.
CSS 330	3
Humanities and Fine Arts	6
MAT 385, 415	6
Mathematics Elective	3
PHY 327, 327L	4
PHY 421 or 461	3-5
PHY 422 or 332	3-5
Physics Elective	3
	31-35

SENIOR YEAR	SEM. HRS.
General Elective	3
MAT 430, 431	6
Mathematics Electives	6
PHY 422 or 332	3-5
PHY 421 or 461	3-5
PHY 460	2
Physics Elective	6
	29-31
TOTAL:	129

PHYSICS REQUIREMENTS FOR SECONDARY EDUCATION TEACHERS

(Secondary Education Degree)

Students interested in science teaching certification are referred to the Department of Science Education.

DEPARTMENT OF POLYMER SCIENCE

Gordon L. Nelson, Chair

Hattiesburg, MS 39406-0076

(601) 266-4868

Canfield, Griffin, Hester, Hoyle, McCormick, McLaughlin, Mathias, Mauritz, Porter, Seymour, Storey, Thames

The Department of Polymer Science offers programs of study leading to the degrees of the Bachelor of Science in Polymer Science, the Master of Science in Polymer Science, and the Doctor of Philosophy in Polymer Science. The Department was awarded Commendation status by the Board of Trustees in 1983 as a result of state-wide five year program review. For information concerning the master's and Doctor of Philosophy degrees, see the **Graduate Bulletin.**

BACHELOR OF SCIENCE IN POLYMER SCIENCE

The objective of this curriculum is to prepare the graduate to enter the industrial community or to continue his or her studies at the graduate level. The Bachelor of Science in Polymer Science constitutes an interdisciplinary program of study and, therefore, no minor is required.

REQUIREMENTS FOR A MAJOR IN POLYMER SCIENCE

FRESHMAN YEAR	SEM. HRS.
CHE 101, 101L, 102, 102L	8
ENG 101, 102	6
HIS 101, 102	6
MAT 103, 178	8
PED 105	1
PSC 191	2
	31

SOPHOMORE YEAR	SEM. HRS.
CHE 351, 351L, 352, 352L	9
FN 167	1
Humanities	3
MAT 179, 385	8
PHY 201, 201L, 202, 202L	10
PSC 291	2
	33

JUNIOR YEAR	SEM. HRS.
CHE 411	4
CSS 240 or 330	3
ENG 203, 333	6
Social Science Electives	6
PSC 301, 301L, 302, 302L, 401, 401L, 402, 402L	16
	35

SENIOR YEAR	SEM. HRS.
INT 301	3
PSC 360, 361, 361L, 470, 470L, 480, 490, 490L, 491, 491L	24
Technical Elective	3
	30
TOTAL:	129

FORENSIC SCIENCE AS A MINOR

The recommended Forensic Science minor consists of the following courses:

18 semester hours numbered 300 or above to include:

	Hours
FSC 340, 340L	4
FSC 341, 341L	4
FSC 491, 491L	4

DEPARTMENT OF SCIENCE EDUCATION

Including Fundamentals of Science

Bobby N. Irby, Chair
Hattiesburg, MS 39406-5087
(601) 266-4739

Bellipanni, F. Brown, I. Brown, J. Brown[1], Cotten, Milkent, J.R. Moore, Sonnier

[1]IPA, National Space Technology Laboratories

The Department of Science Education is operated jointly by the College of Science and Technology and the College of Education and Psychology. The facilities are in the College of Science and Technology. Programs in teacher-education are in the College of Education and Psychology. Responsibility for the curriculum is shared jointly. Graduate programs are described in the **Graduate Bulletin.**

Objectives

The objectives of the Department of Science Education are: (1) to provide those courses in both the physical and biological sciences which would give a minimum degree of scientific literacy to all students; (2) to provide, in cooperation with the Department of Curriculum and Instruction, a curriculum in the sciences and science methods for elementary school teachers; (3) to provide programs for those students planning to teach the sciences at the secondary school level; (4) to provide programs leading to advanced degrees in science education; and, (5) to work with public schools in the development of curricula, workshops, science fairs, and other activities designed to improve science instruction at all public school levels.

Curriculum and Programs

The Department of Science Education is primarily concerned with teachers and prospective teachers of science. Although some students will be planning to teach a specific science discipline, current public school organization encourages diversification of training in the sciences for prospective science teachers. Therefore, familiarity with principles and concepts common to all the scientific disciplines should be a prerequisite for teacher training programs in science education. Hence, programs in science education are so organized as to give teachers and prospective teachers a broad understanding of several sciences, with the opportunity for enough specialization in one area to pursue advanced study.

All prospective science teachers at the junior and senior high school levels are expected to complete introductory courses in the four basic science areas—biology, chemistry, geology, and physics. One year of college mathematics is also required. With few exceptions, the first mathematics course would deal with analytical geometry.

Students will elect a specialty area of biological sciences, chemistry/physics, or general science. Upon completion of the undergraduate program, students choosing a specialty area of biology or chemistry/physics will be certified in that specialty as well as in general science. Students specializing in general science may certify in one of the other specialties by satisfactorily completing the NTE in that area. A general outline of the program is given below:

REQUIREMENTS FOR A MAJOR IN SCIENCE EDUCATION

Biological Sciences Specialty

FRESHMAN YEAR	SEM. HRS.
AA 100	3
BSC 110, 111	8
Computer Science (exclude 100)	3
ENG 101, 102	6
HIS 101, 102	6
MAT 101, 103	6
	32

SOPHOMORE YEAR	SEM. HRS.
BSC 201, 226	6
CHE 101, 102	8
FN 167	1
HSE 101	3
PED 105	1
PHY 101	4
SCM 111	3
Social Science	6
	32

JUNIOR YEAR	SEM. HRS.
Biological Science (elect above 300)*	6
BSC 380	4
CHE 251	4
ENG 332	3
PSY 374	3
REF 400	3
REF 469	3
Science Education Electives	6
SPE 400	3
	35

SENIOR YEAR	SEM. HRS.
CIS 474, 475, 476	5
ENG 203	3
GLY 101	4
SCE 470	3
SCE 460, 486	15
Social Science	3
	33
TOTAL:	132

*May include SCE 456 or 457.

Chemistry/Physics Specialty

FRESHMAN YEAR	SEM. HRS.
AA 100	3
CHE 101, 102	8
Computer Science (exclude 100)	3
ENG 101, 102	6
HIS 101, 102	6
MAT 101, 103	6
	32

SOPHOMORE YEAR	SEM. HRS.
BSC 110, 111	8
CHE 251	4
FN 167	1
GLY 101	4
PED 105	1
PHY 101, 102	8
Social Science	9
	35

JUNIOR YEAR	SEM. HRS.
CHE 311	5
ENG 203	3
HSE 101	3
MAT 314	3
PHY 361	4
PSY 374	3
REF 469	3
Science Education Electives	6
SCM 111	3
	33

SENIOR YEAR	SEM. HRS.
CIS 474, 475, 476	5
ENG 332	3
Physics Elective (300 or above)	4
REF 400	3
SCE 460, 486	15
SPE 400	3
	33

TOTAL: 133

General Science Specialty

FRESHMAN YEAR	SEM. HRS.
Computer Science (exclude 100)	3
ENG 101, 102	6
FN 167	1
GLY 101	4
HIS 101, 102	6
HSE 101	3
MAT 101, 103	6
PED 105	1
PHY 101	4
	34

SOPHOMORE YEAR	SEM. HRS.
AA 100	3
BSC 110, 111	8
CHE 101, 102	8
GLY 103	4
PSY 110	3
SCM 111	3
Social Science	9
	38

JUNIOR YEAR	SEM. HRS.
AST 111	4
ENG 203	3
ENG 332	3
GHY 323	3
MAT 314	3
REF 469	3
Science Education Electives	6
Science or Science Education Elective (300 or above)	3
	28

SENIOR YEAR	SEM. HRS.
CIS 474, 475, 476	5
GHY 325	3
PSY 374	3
REF 400	3
SCE 460, 486	15
SPE 400	3
	32

TOTAL: 132

The scope of the science education program and the fact that many courses run in sequence and are offered at particular times of the year necessitate careful and frequent advisement of students. It cannot be over-emphasized that students should consult with their assigned adviser each semester. Failure to do so will most often result in unnecessary delays and hardships in completing the program.

The above program provides a broad background and some depth in all science areas, gives the prospective teacher an opportunity for considerable depth and specialization in one science area, and requires the necessary background courses in professional education for effective teaching.

Students in the College of Science and Technology and in the College of Education and Psychology can major in science education and minor in secondary education. The program as outlined above for science teachers meets the certification requirements in the areas of biological, chemistry/physics, and general science.

FUNDAMENTALS OF SCIENCE

Fundamentals of Science: Two courses in general physical science and two courses in general biological science of three semester hours credit foreach. These courses are designed to give the non-science major an acquaintance and understanding of certain fundamental principles of the major science disciplines. The FS 104 series are non-laboratory courses and will not meet laboratory science core requirements.

Inasmuch as there is overlapping and duplication in these courses and those offered by various other science departments, the student should read carefully the limitations for each of the Fundamentals of Science courses. Any questions should be answered by the student's adviser and/or the Department of Science Education prior to enrolling in these courses since they may be taken in any sequence the student chooses.

The FS 131 series are laboratory courses designed to meet core requirements for elementary education and special education majors. Laboratory (1 hr.) must be taken concurrently with lecture (3 hrs.).

HONORS COLLEGE

Peggy W. Prenshaw, Dean
Hattiesburg, MS 39406-5162
(601) 266-4533

The Honors College, established in 1976, provides students of superior academic ability with a broadly-based undergraduate education. Its aim is to identify, encourage, and reward academic excellence in all fields and to serve students with widely varying academic interests. In many respects, the education offered through the Honors College may best be described as that of a small liberal arts college set within a large comprehensive university, with students encouraged to draw freely from both the college and the university. Students in the Honors College have access to small Honors classes, outstanding professors, special scholarships, and opportunities for independent study and special activities.

The curriculum of the Honors College comprises two phases: the General Honors Program for freshmen and sophomores and the Senior Honors Program for juniors and seniors. To enter the College as freshmen, students compete with other applicants on the basis of high school grades, scores on the American College Test (or Scholastic Aptitude Test), detailed ratings by two high school teachers and the principal or guidance counselor, and an essay. Students may also be asked to come to the campus for a personal interview. Successful completion of General Honors will be cited on the student's transcript and diploma.

GENERAL HONORS

Freshmen admitted to General Honors complete the curriculum listed below. In satisfying the General Honors requirements, students thereby fulfill the University General Education requirements. For most students, completion of General Honors will also fulfill the core requirements of their majors. Some students, however, may have to take additional core courses required specifically for their major. Students undertaking General Honors are required to complete at least 26 hours in Honors courses or departmental Honors sections taking six or more hours of Honors course work each semester. Students are in good standing as long as they maintain a minimal 3.0 overall average; they must graduate with at least a 3.0 average in order to receive General Honors recognition at graduation.

SENIOR HONORS

To enter the Senior Honors curriculum, the student must either complete General Honors with a minimum GPA of 3.0 or meet the following admission requirements: (1) a grade point average of 3.5 on at least 40 hours, (2) recommendations from two professors, (3) an essay, and (4) approval by the student's major department. Students must maintain a GPA of 3.25 to remain in Senior Honors. Those students entering from General Honors with a 3.0 GPA will have until the end of the first semester of their junior year to raise their GPA to 3.25. Students completing Senior Honors with the required GPA will receive the special recognition denoted by the Latin designations, **summa cum laude** (3.8 or higher overall average); **magna cum laude** (3.50-3.79); or **cum laude** (3.25-3.49). Students will typically apply for Senior Honors during their sophomore year and, if admitted, begin the first semester of their junior year. The Senior Honors curriculum offers students opportunities for independent study in their major, for small seminars on a wide range of topics, and for scholarship assistance.

HONORS COLLEGE GENERAL EDUCATION REQUIREMENTS

HOURS

I. Reasoning and Communication Skills

English Composition 6
Required: Honors English 101 and 102, unless student has CLEP, AP or other college credit

Mathematics 3
Required: 167, 178, 312, or 314 preferably in Honors sections as offered

University Forum: Honors 321, 322 2-4
Recommended: 4 hours. Required: 2 hours.

II. Humanities and Fine Arts

Fine Arts 3-6
Recommended: 6 hours total in AA 100, ART 130, DAN 107, MUS 365, THE 100, or other upper level fine arts history or appreciation courses, in Honors sections as offered. Required: 3 hours.

World Literature, History and Philosophy 12
Required: 12 hours total in Honors 111, 112, 211, 212 (Honors Colloquium: World Thought and Culture). These courses replace HIS 101, 102; ENG 203; and PHI 151 or a Humanities elective.

Foreign Language 0-12
Recommended: second-year proficiency. Required: either two years of a single language in high school with GPA of B or better *or* 6 hours university credit.

III. Social and Behavioral Sciences

Recommended: 9 hours total, in Honors sections as offered, with no more than 3 hrs. from any one discipline, in ANT 101, 221; GHY 101, 102, 331, 341; PS 101, 220, 331, 425; SOC 101, 240, 314; ECO 200, 255; PSY 110, 375. Required: 6 hours. 6-9

IV. Natural and Applied Sciences

Laboratory Sciences 8
Required: 8 hours total. Recommended: Honors Biology 110/110L; 111/111L; Honors Chemistry 101/101L; 102/102L; or other Honors sections as offered. See list of laboratory sciences in General Education Curriculum.

Elective. Required: 3 hours total, preferably in Honors sections as offered. See Category IV electives (including mathematics) in General Education Curriculum. 3

V. Human Wellness

Required:
Food and Nutrition, FN 167, preferably in Honors sections 1
Health and Physical Fitness, PED 105, preferably in Honors sections 1

48 hrs.

Note: The recommended core is 53-65 hours; the minimum core, however, is 48 hours, 26 of which must be taken in Honors courses or departmental Honors sections. Honors College students may also have to take additional core courses required specifically for their major.

REQUIREMENT FOR GRADUATION WITH GENERAL HONORS

1. Completion of Honors College General Education minimum requirements.
2. Completion of a minimum of 26 of the General Education hours in Honors courses and departmental Honors sections.
3. Overall minimal GPA of 3.0 at graduation.

TYPICAL SCHEDULE FOR MEETING GENERAL HONORS REQUIREMENTS IN THE FIRST TWO YEARS

FRESHMAN YEAR	SEM. HRS.
HON 111, 112	6
ENG H101, H102	6
Fine Arts	3
FN 167	1
Foreign Language	0-6
Laboratory Science	4
MAT 167, 178, 312, or 314	3-5
Social Science	3
HON 321, 322	1-2
	27-36

SOPHOMORE YEAR	SEM. HRS.
HON 211, 212	6
Fine Arts	0-3
Foreign Language	0-6
Laboratory Science	4
Math/Science Elective	3
Social Science	3-6
PED 105	1
HON 321, 322	1-2
	18-31

HONORS COLLEGE SENIOR HONORS REQUIREMENTS

HON 321, 322*	0-2
HON 301 (Prospectus Writing)	1
HON 403 (Honors Seminar)	3
HON 403 (411, Honors Directed Study or 499, British Studies)**	3
Senior Thesis (H492 or other departmental research course in the major)***	3
Comprehensive Examination in the Major	
	10-12 hrs.

*Students who have completed 4 hours of HON 321, 322 in General Honors are exempt from this requirement.
**With permission of the Dean of the Honors College, students may substitute 411 or 499 for 3 hours of HON 403.
***The Senior project must be done in the area of the student's major unless specific approval is given by the Dean of the Honors College for a project in the area of the minor.

Requirements for Graduation with Senior Honors

1. Completion of 12 hours requirement, including senior project
2. Successful completion of comprehensive examination
3. Overall GPA of 3.25 or better at graduation

TYPICAL SCHEDULE FOR MEETING SENIOR HONORS REQUIREMENTS

JUNIOR YEAR	SEM. HRS.
HON 321	1
HON 301	1
HON 403	3
HON 403 (411 or 499)	3
	8

SENIOR YEAR	SEM. HRS.
HON 322	1
Senior Research in Major	3
	4

SENIOR HONORS RESEARCH

The Senior Honors project involves two phases, the prospectus and the project itself. The prospectus must be presented nine months prior to graduation; guidelines for the prospectus may be obtained from the Honors College Office. The project should reflect significant individual effort that may involve library research, laboratory research, or field research. The project should conform to accepted scholarly procedure within the discipline of the major field. The project may be creative, but a creative project must be executed within the frame work of accepted scholarly procedure. That is, a student who produces a creative effort should introduce that effort by adequate discussion of the nature of the creative form involved, including an indication of familiarity with other examples of that form. Any doubts as to the validity of a proposed project should be resolved in discussion among the project director, the chair of the department, and the Honors Dean. Directions for the format of the senior project may be secured from the Honors College Office.

The comprehensive examination must be taken no later than four weeks before the student is scheduled to graduate. The examination may be either written or oral, at the option of the major department. The exact nature of the examination is a matter for decision by the department involved, but there are general guidelines:

(1) The examination should be designed so that it can be completed in a maximum of three hours.
(2) The examination should test the candidate's general knowledge of the field of the major rather than specialized information about some particular aspect of the major.
(3) The examination should be uniform for all candidates within a particular semester.
(4) It is the responsibility of the student to contact the department chair and request that the comprehensive examination be designed and administered. These arrangements should be made one semester in advance.
(5) A student who does not pass the examination upon the first attempt may repeat it once.

Graduation Recognition

A student may graduate with General Honors and/or Senior Honors in the Honors College. Senior Honors will be denoted by the Latin designations, **cum laude** (GPA of 3.25-3.49), **magna cum laude** (GPA of 3.50-3.79), and **summa cum laude** (GPA of 3.80 or higher).

Financial Assistance

Students enrolled in the Honors College may apply for financial aid through the Office of Financial Aid on the same basis as any other student. Scholarships available only to Honors students are listed below.

(1) **Presidential Scholarships:** Each year, the President of the University will designate a select group of Honors freshmen as Presidential Scholars. Applicants are expected to have high ACT scores, superior grades and proven leadership ability. The value of this award is equal to tuition, fees, room, and board for a four-year period. (The recipient will receive increments each semester.) Presidential Scholars are required to maintain at least a 3.25 GPA.

(2) **Honors Scholarships:** Each year freshmen admitted to the Honors College are designated Honors College Scholars. Applicants must have ACT scores of 27 or above and outstanding high school grades to qualify for Honors scholarships.

(3) **Travel Awards:** Special travel awards are available each summer for the British Studies Program sponsored by the University's Center for International Education.

THE UNIVERSITY FORUM

The University Forum is a special series of lectures and programs open to all students, faculty, and townspeople. It is sponsored each fall and spring by the University Honors College and features nationally-known speakers in a variety of fields. Students who attend the forum lectures and designated films, concerts, plays, and other activities may receive an hour of credit on a pass/fail basis by enrolling in HON 321 or 322. This course may be repeated for up to 8 hours of credit.

UNIVERSITY OF SOUTHERN MISSISSIPPI GULF COAST

Joe E. Holloway, Dean
East Beach Boulevard
Long Beach, MS 39560
(601) 865-4500

The University of Southern Mississippi Gulf Coast serves students at three locations: the Gulf Park Campus in Long Beach, the Keesler Center on Keesler Air Force Base, and USM Jackson County Center located on the Jackson County Campus of the Mississippi Gulf Coast Community College in Gautier. USM Gulf Coast is part of a cooperative plan to provide comprehensive higher education on the Mississippi Gulf Coast. The Two-Plus-Two articulation programs with the area community colleges assures a smooth transition for students who transfer from the community colleges' freshman-sophomore programs to the upper level degree programs at USM Gulf Coast. Refer to the USM Gulf Coast **Regional Campus Bulletin** for specific information concerning the Gulf Coast courses and programs.

DEGREE PROGRAMS

USM Gulf Coast provides a flexible delivery system designed to meet the educational needs of Coast citizens. Consequently, new courses and programs are added as student demand warrants and resources permit. A sufficient number of courses are now available so that USM Gulf Coast students may earn their entire baccalaureate degree(s) with majors and emphases in the following areas:

Business Administration
Computer Science
Criminal Justice
Electronics Engineering Technology
Elementary Education
English
History
Industrial Engineering Technology
Industrial & Vocational Education
Mathematics
Nursing
Paralegal Studies
Political Science
Psychology
Secondary Education
Special Education

Admission

In keeping with the status of USM Gulf Coast as an upper-level institution, regular admission is open to students who have attained junior standing (54 semester hours). The USM Gulf Coast Dean can authorize special exceptions to this rule for persons who need a limited number of courses for specialized professional and/or cultural development. In other respects, admission requirements are identical with those outlined elsewhere in this **Bulletin.** In order to facilitate proper advisement and predetermination of admission status, students must furnish transcripts and complete applications for admission prior to registration. Transcripts and the complete applications should be sent to the Director of Student Services, USM Gulf Coast, Long Beach, MS 39560.

Course Load

Students are permitted to carry a total of nine (9) semester hours per term through USM Gulf Coast. Students twenty-five years old and over may take more than nine semester hours, subject to approval of their advisers. Credit workshops taken on the Regional Campus will be counted as part of the course load. Thirteen (13) semester hours per term is the maximum load without approval of the Regional Campus Dean.

Honors

Special policies have been formulated in order to accord official recognition to students who achieve outstanding academic records. **DEAN'S LIST:** Students will be placed on the quarterly USM Gulf Coast Dean's List if they attain a quality point ratio of 3.25 or above on an academic load of not less than six (6) semester hours. **DEGREES WITH HONORS:** USM Gulf Coast students with exceptional academic records may be awarded a degree with honors or with highest honors. The residence requirement for such degrees is not less than thirty-two (32) semester hours of credit with the University of Southern Mississippi. A degree with honors will be granted to a student who maintains a quality-point average of 3.5 or more. A degree with highest honors will be granted to a student who maintains a quality-point average of 3.8 or more.

Fees

Undergraduate: $58.00 per semester hour
Graduate: $70.00 per semester hour
Students who enroll concurrently at USM Hattiesburg and USM Gulf Coast must pay separate fees for the USM Gulf Coast courses. Fees are subject to change without prior notice.

CALENDAR

USM Gulf Coast offers four terms per year. Holidays follow the same schedule as the Hattiesburg Campus Calendar found elsewhere in this **Bulletin.**

TERM	REGISTRATION	
Fall 1989-1990	August 23, 1989	Keesler and Jackson County
	August 24, 1989	Gulf Park
Winter 1989-1990	November 8, 1989	Keesler and Jackson County
	November 9, 1989	Gulf Park
Spring 1989-1990	February 21, 1990	Keesler and Jackson County
	February 22, 1990	Gulf Park
Summer 1989-1990	May 30, 1990	Keesler and Jackson County
	May 31, 1990	Gulf Park

DIVISION OF NURSING

TERM	REGISTRATION	
Fall 1989-1990	August 23, 1989	Keesler and Jackson County
	August 24, 1989	Gulf Park
Spring 1989-1990	January 15, 1990	Gulf Park
Summer 1989-1990	May 30, 1990	Keesler and Jackson County
	May 31, 1990	Gulf Park

DIVISION OF LIFELONG LEARNING

Joseph E. Tinnon, Dean
Billy R. Folkes, Assistant Dean
Hattiesburg, MS 39406-5055
(601) 266-4187

The Division of Lifelong Learning has the responsibility of providing activities designed to meet the ever-changing needs and interests of our diverse population. Education is becoming increasingly known as a lifelong process, not limited to any particular age. Through lifelong learning activities developed and coordinated by the Division, participants of all ages and from all walks of life are brought together with highly trained University faculty and other resource people so that new information and ideas, solutions to common problems, better ways of utilizing leisure time, and new skills to be used on the job are developed and shared. Lifelong learning activities also provide a research data base for University faculty interested in studying a multitude of topic areas. The Division uniquely serves the University by providing quality programs and services that meet the teaching, research, and service missions of the institution.

CREDIT PROGRAMMING

Donna Garvey, Director
Hattiesburg, MS 39406-5056
(601) 266-4210

The Department of Credit Programming has the responsibility of organizing and administering all credit intensive, weekend, intersession and extension (off-campus) courses as a part of the University's offerings for nontraditional students. This department works closely with the University's academic departments in developing these courses. Either academic credit or continuing education unit (CEU) credit may be awarded for a course, provided the activity is offered through an existing course number or is given prior approval by the appropriate university council. Specially designed courses that meet the specific needs of certain governmental, business, industrial, and educational groups can also be arranged.

INDEPENDENT STUDY

Billy R. Folkes, Director
Hattiesburg, MS 39406-5055
(601) 266-4206

Through independent study a student may earn up to thirty-three hours of undergraduate university credit or two complete units of high school credit. A complete high school curriculum and a wide variety of university-level course offerings are available.

Independent study allows the student to earn credit through the advantages of home study. These courses are particularly suited to the needs of the student who is unable to attend the University for one reason or another. Students are allowed to progress through their course of study at their own rate.

USM, JACKSON

Susie Hughes, Assistant Director
Credit Programming
3825 Ridgewood Drive
Jackson, MS 39211
(601) 982-6210

The University of Southern Mississippi, Jackson began operation in the Fall of 1974 at the Research and Development Center on Eastover Drive in North Jackson. In a cooperative effort with Mississippi State University, the University of Mississippi, and Jackson State University, a limited number of graduate and undergraduate courses and programs are available for the citizens of Jackson and adjoining areas. Also, a variety of noncredit courses are conducted each term. Facilities and services in the Jackson area are available upon request for conferences, workshops, noncredit courses, and meetings.

NONCREDIT PROGRAMMING

William A. Lewis, Director
Hattiesburg, MS 39406-5056
(601) 266-4201

The Department of Noncredit Programming maintains responsibility for a diversity of programming which serves as liaison between the university and the community. The department coordinates and administers the logistical details for all noncredit conferences, institutes, workshops, clinics, camps, short courses, and special training programs sponsored by the University. The department also provides convention and annual meeting coordination assistance to professional associations, fraternal organizations, and other educational groups. Finally, the department offers the Listener's License Program to the community which enables individuals to utilize University resources by observation within the traditional academic class setting on a non-participating basis.

GULF PARK CONFERENCE CENTER

Henry J. D'Aquilla, Director
USM, Gulf Park
Long Beach, MS 39560
(601) 865-4508
703-508 (For USM system only)

The USM Gulf Park Conference Center is charged with the responsibility of coordinating the administrative and logistical details of intensive credit courses and noncredit activities held on the Gulf Park Regional Campus and at the John C. Stennis Space Center.

Facilities at the Conference Center include classrooms, conference rooms, auditorium, cafeteria, and housing. These facilities are designed for associations or organizations desiring conference space and lodging for their educational meetings.

COURSE DESCRIPTIONS

INDEX OF ABBREVIATIONS FOR FIELDS OF INSTRUCTION

AA	Allied Arts
ACC	Accounting
ACT	Architectural Engineering Technology
ADE	Adult Education
AMS	American Studies
ANT	Anthropology
AOS	Aerospace Studies
ARA	Arabic
ARE	Art Education
ART	Art
AST	Astronomy
BCT	Construction Engineering Technology
BED	Business Education
BSC	Biological Sciences
CD	Child Development
CED	Cooperative Education
CET	Computer Engineering Technology
CHE	Chemistry
CHI	Chinese
CI	Curriculum and Instruction: CIE Elementary CIS Secondary
CJ	Criminal Justice
CPY	Counseling Psychology
CSA	Coaching and Sports Administration
CSC	Computer Science
CSS	Computer Science and Statistics
CT	Clothing and Textiles
DAN	Dance
ECO	Economics
ELT	Electronics Engineering Technology
ENG	English
ESC	Environmental Science
EVD	Environmental Design
FAM	Family Relations
FEM	Family Economics and Management
FIN	Finance
FL	Foreign Languages
FN	Food and Nutrition
FRE	French
FS	Fundamentals of Science
FSC	Forensic Science
FST	Food Science Technology
GBA	General Business Administration
GER	German
GHY	Geography and Area Development
GLY	Geology
GRK	Greek
GS	General Studies
HEE	Home Economics Education
HIS	History
HON	Honors College
HRA	Hotel and Restaurant Administration
HSE	Health and Safety Education
HUM	Humanities
IAD	Institution Administration
INT	Industrial Engineering Technology
ITA	Italian
IVE	Industrial and Vocational Education
JPN	Japanese
JOU	Journalism
LAT	Latin
LS	Library Science
MAR	Marine Science
MAT	Mathematics
MBI	Marine Biology
MED	Music Education
MET	Mechanical Engineering Technology
MGT	Management
MIS	Management Information Systems
MKT	Marketing
MS	Military Science
MTC	Medical Technology
MUP	Music Performance Studies
MUS	Music
NSG	Nursing
PED	Physical Education
PHI	Philosophy
PHY	Physics
PLG	Planning
PLS	Paralegal Studies
PS	Political Science
PSC	Polymer Science
PSY	Psychology
REC	Recreation
REF	Research and Foundations
REI	Real Estate and Insurance
REL	Religion
RTF	Radio-Television-Film
RUS	Russian
SCE	Science Education
SCM	Speech Communication
SHS	Speech and Hearing Sciences
SOC	Sociology
SPA	Spanish
SPE	Special Education
SWK	Social Work
THE	Theatre
THY	Therapy
TOX	Toxicology

EXPLANATION

The semester credit hours are listed after the title of each course.
Example:

201. **Principles of Accounting I.** 3 hrs. An introduction to financial information systems.

The courses marked (JC 1213) are those courses at USM which are equivalent to junior college courses. It should be noted that there is a variance in course sequence between the junior colleges and USM. In addition, courses with the same junior college numbers vary from college to college. An adviser should be consulted prior to course scheduling.

The plus (+) sign in front of a course indicates that a special fee is charged for that course. (See Special Fees listing in Expenses Section.)

ACCOUNTING (ACC—605)

(Enrollment in courses numbered 300 or above requires at least junior standing.)

201. **Principles of Accounting I.** 3 hrs. An introduction to financial information systems. (JC 1213, 1214)

202. **Principles of Accounting II.** 3 hrs. Prerequisite: ACC 201. A continuation of ACC 201. (JC 1223, 1224)

300. **Administrative Applications of Accounting.** 3 hrs. Prerequisite: ACC 202. The use of financial information for administrative decision making within the firm.

301. **Intermediate Accounting I.** 3 hrs. Prerequisite: ACC 202. An intensive study of financial statement theory and preparation.

302. **Intermediate Accounting II.** 3hrs. Prerequisite: ACC 301 with a grade of **C** or better. A continuation of ACC 301.

307. **Fund Accounting.** 3 hrs. Prerequisites: ACC 302, 320. The study of governmental and fund accounting principles.

320. **Elementary Cost Accounting.** 3 hrs. Prerequisite: ACC 202. A study of cost accounting systems and methods.

330. **Federal Income Tax Accounting I.** 3 hrs. Prerequisite: ACC 202. The legal environment of business as affected by the federal income tax law and regulations.

401. **Advanced Accounting I.** 3 hrs. Prerequisite: ACC 302 with a grade of **C** or better. A continuation of ACC 302.

402. **Advanced Accounting II.** 3 hrs. Prerequisite: ACC 401 with a grade of **C** or better. A continuation of ACC 401.

405. **Current Accounting Theory and Research.** 3 hrs. A study of the accounting literature with emphasis on researching contemporary accounting problems.

409. **Auditing I.** 3 hrs. Prerequisite: ACC 302 with agrade of **C** or better. An introduction to the financial statement attest function.

410. **Auditing II.** 3 hrs. Prerequisite: ACC 409 with a grade of **C** or better. A continuation of ACC 409.

420. **Advanced Cost Accounting and Budgeting.** 3 hrs. Prerequisite: ACC 320 with a grade of **C** or better. A continuation of ACC 320 with emphasis on cost analysis for decision making.

430. **Federal Income Tax Accounting II.** 3 hrs. Prerequisite: ACC 330 with a grade of **C** or better. A continuation of ACC 330.

440. **Contemporary Problems in Accounting.** 3 hrs. Prerequisite: ACC 401. A CPA preparation course focusing on theory and practice.

480. **Law in Accounting.** 3 hrs. Prerequisites: GBA 295 and 15 hours of accounting beyond principles. A study of business law as related to accounting.

492. **Research in Accounting Problems.** 1-3 hrs. Prerequisite: Senior standing and consent of instructor. Individual research on an approved accounting topic. (Students undertaking a Senior Honors Project will enroll in ACC H492.)

498. **International Accounting Seminar Abroad.** 3 hrs. Prerequisite: Consent of Program Director. Conducted in London, England: A series of lectures and discussions involving authorities on international accounting issues and practices.

499. **International Accounting Research Abroad.** 3 hrs. Prerequisite: Consent of Program Director. A research course in international accounting required for any student enrolled in ACC 498.

ADULT EDUCATION (ADE—110)

440. **Methods and Materials in Adult Education.** 3 hrs. Reviews the uses and adaptation of various materials and techniques for teaching adults. Relates content and methods.

441. **Foundations of Reading Instruction for the Adult.** 3 hrs. Examines the basis of reading instruction in relation to the needs and characteristics of the non-literate adult.

442. **Methods and Materials for Teaching Adults to Read.** 3 hrs. Materials, diagnostic and evaluative procedures, and laboratory experiences will be included.

445. **Teaching the Disadvantaged Adult.** 3 hrs. Characteristics, needs, and problems are related to programs and procedures found to be successful.

476. **Learning in Adult Education.** 3 hrs. A study of learning in adulthood, and related to a range of educational programs.

480. **Applied Educational Gerontology.** 3 hrs. This course prepares individuals to design and implement educational programs for older adults.

490. **Special Problems in Adult Education.** 1-3 hrs. May be arranged for an individual or a group with common interests. Permission of the department chairman required.

+ 494. **Student Teaching in Adult Education.** 3-9 hrs. Prerequisite: ADE 440 or 441 or 442 or IVE 431 or 435. For students who plan to teach in an adult education program or a post-secondary vocational center and who are not presently employed in such a program.

+ 495. **Internship in Adult Education.** 3-9 hrs. A nine-months, supervised experience for practicing teachers of adults.

497. **Interdisciplinary Seminar in Developmental Disabilities.** 3 hrs.

AEROSPACE STUDIES (AOS—202)

First-Year Aerospace Studies

101. **Air Force Organizations.** 2 hrs. A beginning course to introduce the student to the Air Force ROTC Program and today's Air Force. Laboratory included.

103. **Air Force Mission.** 2 hrs. Examines the functions and employment of U.S. Aerospace Forces. Laboratory included.

Second-Year Aerospace Studies

201. **Air Power Through WW II.** 2 hrs. Events and personalities contributing to the development of air power as a primary element of national security. Laboratory included.

203. **Air Power Post WW II.** 2 hrs. The changing mission of the Air Force, emphasizing the impact of air power on strategic thought. Laboratory included.

Third-Year Aerospace Studies

312. **Military Management Skills.** 4 hrs. Compares the functions of the Air Force commander and his staff with contemporary management theory. Laboratory included.

313. **Military Leadership and Management.** 4 hrs. Examines leadership and management roles of the junior Air Force officer. Includes communications security. Laboratory included.

Fourth-Year Aerospace Studies.

404. **Flight Instruction Program.** 2 hrs. Prerequisite: Permission of the instructor. Includes instruction in principles of flight, weather, and navigation.

412. **National Defense Forces in Contemporary American Society.** 4 hrs. Focuses on the prerequisites for maintaining adequate national security forces. Laboratory included.

413. **National Defense Forces in Contemporary American Society.** 4 hrs. Institutional structures involved in the formulation and implementation of U.S. Defense policies. Laboratory included.

492. **Special Projects.** 1-2 hrs.

ALLIED ARTS (AA—655)

100. **Introduction to the Arts.** 3 hrs. A team-taught investigation of the musical, visual, and theatrical arts designed for students who are not otherwise academically involved with these arts. (JC 1233)

300. **Directed Arts Tour.** 3 hrs. Prerequisite: AA 100 or permission of instructor.

AMERICAN STUDIES (AMS—204)

304. **Issues in America.** 3 hrs. Topics vary according to professor and department in which the course is offered. May be repeated for credit if content varies.

403. **Seminar in American Studies.** 3 hrs. Required of American Studies majors during senior year. Open to other majors with permission of professor.

404. **Issues in America.** 3 hrs. Topics vary according to professor and department in which the course is offered. May be repeated for credit if content varies.

492. **Special Problems.** 1-3 hrs. (Students undertaking a Senior Honors Project will enroll in AMS H492.)

499. **British Studies: Anglo-American Studies.** 3-6 hrs. A seminar conducted in Great Britain under the auspices of the USM Institute of Anglo-American Studies.

ANTHROPOLOGY (ANT—286)

101. **Introduction to Anthropology.** 3 hrs. Surveys the four major subdisciplines of anthropology (physical anthropology, archaeology, linguistics, and social/cultural anthropology) to provide the student with a holistic understanding of humanity's social and biological diversity. (JC-SOC-2213)

221. **Cultural Anthropology.** 3 hrs. A comparative approach to the analysis of human cultural and social diversity. (JC-SOC-2243)

231. **Introduction to Archeology.** 3 hrs. An introduction to the study of anthropological archaeology and an overview of world prehistory.

241. **Introduction to Physical Anthropology.** 3 hrs. A study of prehistoric and modern human physical variation and its causes.

311. **World Cultures.** 3 hrs. A survey of cultural and social patterns from each of the primary geographic and cultural areas of the world (Africa, Asia, South America, North America, Oceania, Europe and Australia).

312. **Peoples and Cultures of Europe.** 3 hrs. Ethnology of Europe and the adjacent North African and Middle Eastern territories.

313. **Peoples and Cultures of Africa.** 3 hrs. An ethnological survey of the major culture areas of the African continent with particular reference to Sub-Saharan Africa.

314. **Peoples and Cultures of Asia.** 3 hrs. Ethnological survey of the far East, the Indian Sub-continent, Central Asia, and Insular Southeast Asia.

315. **American Indians.** 3 hrs. Focuses on North American, Meso-American and South American Indian cultures.

317. **Peoples and Cultures of Mesoamerica.** Introduction to the major prehistoric and contemporary peoples of Mexico and Central America, including the Aztecs, Maya and Valley of Oaxaca.

318. **Peoples and Cultures of the Pacific.** 3 hrs. An ethnological survey of Melanesia, Micronesia, and Polynesia.

333. **Archeology of North America.** 3 hrs. A study of the origin and development of prehistoric American Indian cultures.

335. **Biblical Archeology.** 3 hrs. A survey of ancient Near Eastern peoples and cultures as reconstructed by anthropology and archeology.

342. **Forensic Anthropology.** 3 hrs. Introduction to anthropological field methods and theory applicable to forensics, including bone identification and sex/age/race identification.

351. **Linguistic Anthropology.** 3 hrs. Origin and inter-relationships of the major languages of the world.

411. **Foundations of Indo-European Thought and Culture.** 3 hrs. A comparative approach to the background of western culture, utilizing linguistics, mythology, and archeology.

416. **Ethnographic Field Methods.** 1-6 hrs. Methods of ethnographic fieldwork through participation in organized field studies. Permission of instructor required.

420. **Culture and Ethnicity.** 3 hrs. An analysis of culture and ethnicity with special reference to the problem of modernization.

421. **Anthropological Theory.** 3 hrs. A general survey of historical anthropological thought and of the major contemporary schools of anthropological theory.

422. **Mythology and Folklore.** 3 hrs. A survey of the major folklore traditions.

423. **Economic Anthropology.** 3 hrs. The evolution of economic systems, cross-cultural analysis of economic systems, and the role of economic forces in cultural change.

424. **Primitive Religion.** 3 hrs. Beliefs and Rituals in tribal society; shamanism and trance states; animism and magic; altered states of consciousness in religious ideology, evidences of prehistoric religion, and revitalization movements.

425. **Kinship and Social Organization.** 3 hrs. A comparative study of kinship and social organization, and a survey of the major anthropological theories concerning organizational variability.

427. **Psychological Anthropology.** 3 hrs. Cross-cultural analysis of personality formation, perception and cognition, mental illness, and altered states of consciousness.

428. **Political Anthropology.** 3 hrs. A comparative survey of patterns of group decision-making, leadership, resolution of conflict and social control in human societies.

429. **Topics in Cultural Anthropology.** 3 hrs. Variable content. May be repeated three times in separate topical offerings.

431. **Prehistoric Archaeology.** 3 hrs. Corequisite: ANT 431L. Overview of analytical techniques in archaeology and prehistoric technologies.

431-L. **Prehistoric Archaeology Laboratory.** 1 hr. Corequisite: ANT 431. Laboratory to accompany Prehistoric Archaeology. Overview of analytical techniques in archaeology and prehistoric technologies.

433. **Prehistory of Southeastern Indians.** 3 hrs. A survey of the prehistoric archaeology of the Southeastern United States, especially Mississippi and adjoining states, from the first inhabitants to the time of European contact.

436. **Archeology Field Methods.** 1-6 hrs. Methods of fieldwork through participation in organized field projects. Permission of instructor required.

439. **Topics in Archaeology.** 3 hrs. Variable content. May be repeated three times in separate topical offerings.

442. **Medical Anthropology.** Introduction to the relationship between human culture and disease, especially cross- cultural comparisons of perception and treatment of illness.

449. **Topics in Physical Anthropology.** Variable content. May be repeated three times in separate topical offerings.

459. **Topics in Linguistic Anthropology.** Variable content. May be repeated three times in separate topical offerings.

492. **Special Problems.** 1-3 hrs. A problem study to be approved by the department chairman. (Students undertaking a Seniors Honor Project will enroll in ANT H492.)

499. **British Studies.** 3-6 hrs. Variable content. Lecture series and research abroad under the auspices of the Institute of Anglo-American Studies.

ARCHITECTURAL ENGINEERING TECHNOLOGY (ACT—392)

\+ 123. **Architectural Rendering.** 3 hrs. Prerequisites: ARE 207, ACT 132. Visual expression of architectural principles and structures. Perspectives, shades, shadows, colors, etc.

132. **Architectural Graphics.** 3 hrs. Principles of orthographic projection and related drafting techniques applied to architectural and mechanical systems.

203. **Computer-Aided Drafting for Interior Design.** 3 hrs. Prerequisites: EVD 140, ACT 132. An introduction of computer aided drafting with application related to residential and commercial interiors.

204. **Building Materials.** 3 hrs. Properties, characteristics, and utilization of materials used in construction.

221. **Architectural Models.** 2 hrs. Prerequisite: ACT 261. Introduction to materials and techniques used in architectural modeling.

222. **Architectural History.** 3 hrs. Analysis of man's achievements in the design and construction of major architectural developments from early times to present.

235. **Building Systems I.** 3 hrs. Prerequisites: ACT 132, 204. Residential systems design and planning, with emphasis on materials integration, methods of construction and planning.

241. **Statics.** 3 hrs. Prerequisites: MAT 103, PHY 105. Force systems, static equilibrium of rigid bodies, friction and centroids.

261. **Residential Planning and Design.** 3 hrs. Prerequisites: ACT 132, 204. Analysis and problem solutions in the design and planning of residential buildings.

262. **Architectural Design I.** 3 hrs. Prerequisites: ACT 261, 123, and 204. Design study and application of principles and elements as they apply to three dimensional visual organizations which convey spatial information.

301. **Computer-Aided Drafting and Design I.** 3 hrs. Commercial CADD systems: hardware and software, Graphics programming in 2- and 3- dimensions.

302. **Computer-Aided Drafting and Design II.** 3 hrs. CADD applied to architectural and engineering drawing using AutoCAD and other commercially-available software.

303. **Principles of Energy in Interior Design.** 3 hrs. Principles of thermal, atmospheric, acoustic, solar and luminous environments as applied to design in architecture and interior design.

+ 315. **Mechanical Systems.** 3 hrs. Prerequisite: PHY 105. Design, installation, and performance of mechanical systems.

+ 316. **Electrical Systems.** 3 hrs. Prerequisite: ACT 132, PHY 105, 106. Design, installation, and performance of electrical equipment for residential and commercial buildings.

+ 324. **Architectural Landscaping.** 3 hrs. Prerequisite: BCT 205 or permission of instructor. Principles of landscaping as applied to the building environment.

325. **Office Practice.** 3 hrs. Prerequisite: ACT 336. Preparation of contract documents, contract administration, and architectural office operations.

+ 326. **Specifications.** 3 hrs. Prerequisites: ACT 336 or BCT 336. Development and writing of architectural project specifications.

336. **Building Systems II.** 3 hrs. Prerequisite: ACT 235. Commercial building systems design and planning with emphasis on materials integration. Methods of construction and building codes.

338. **Architectural Working Drawings.** 3 hrs. Prerequisite: BCT 336. Emphasis on detailing, graphics, plan coordination and development of working drawings.

342. **Strength of Materials.** 3 hrs. Prerequisites: ACT 241, MAT 136. Centroids, stress, elastic deformation. Shear and flexure stress in beams. Combined stress and Mohr's circle.

343. **Structural Design.** 3 hrs. Prerequisite: ACT 342. Design of structural steel members.

363. **Architectural Design II.** 3 hrs. Prerequisite: ACT 262. Introduction to design processes and analytical methods applicable to information retrieval programming and architectural problem solving within a contextual cyclic and iterative process.

364. **Architectural Design III.** 3 hrs. Prerequisite: ACT 363. Analysis of environmental and site forms as they relate interface with planning and design. Site and environmental assessment, movement systems, earthwork, site planning and design.

392. **Special Problems.** 1-3 hrs. Prerequisites: Junior standing and approval of faculty adviser.

+ 400. **Senior Project.** 3 hrs. Prerequisites: Senior standing and approval of faculty adviser.

+ 401. **Senior Project.** 3 hrs. Prerequisites: Senior standing and approval of faculty adviser.

404. **Applications of Computer-Aided Drafting and Design** 3 hrs. Use of commercially-available software to create complete sets of architectural and engineering drawings including all specifications.

423. **Computer-Aided Architectural Presentations.** 3 hrs. Use of CAD for architectural presentations including 2- and 3- dimensional renderings, presentations, and models.

445. **Foundations.** 3 hrs. Prerequisite: ACT 343, Properties and behavior of soils and concrete as applied to architectural structures.

457. **Architectural Estimating.** 2 hrs. Prerequisite: BCT 454. Development of project budgets from schematic stages through final design using cost estimating and value engineering methods.

465. **Architectural Design IV.** 3 hrs. Prerequisite: ACT 364. Design exercises requiring integration of design criteria and contextual factors into responsive and comprehensive architectural concepts.

466. **Architectural Design V.** 3 hrs. Prerequisite: ACT 465. Energy Intergrated Architectural Design. Experimental exercises emphasizing an energy optimized design process. Issues, climatic factors, systems, materials and technology applied to energy efficient climate adapted architecture.

467. **Architectural Restoration.** 2 hrs. Prerequisite: ACT 364. Study of preservation, restoration and reconstruction of existing buildings.

492. **Special Problems.** 1-3 hrs. Prerequisites: Senior standing and approval of faculty adviser.

ART (ART—660)

(*Permission of instructor necessary)

101. **Drawing I.** 3 hrs. A study of the possibilities of drawing as the expression of a variety of ways of seeing and thinking. (JC 1313)

102. **Drawing II.** 3 hrs. Prerequisite: ART 101*. A continuation of ART 101. (JC 1323)

111. **Design I.** 3 hrs. A study of the basic elemental relationships, plastic integration factors, principles, and the ordering of them toward expression. (JC 1413)

112. **Design II.** 3 hrs. Prerequisite: ART 111*. A continuation of the study of design with color theory and practice. (JC 1423)

130. **Art Appreciation.** 3 hrs. An introduction to the visual arts. (JC 1113)

131. **Theoretical Foundations.** 3 hrs. A study of the scope and nature of the plastic expressions with some bases for criticism.

201. **Figure Drawing I.** 3 hrs. Prerequisite: ART 102, 112, or *. Study of the structure and anatomy of the human figure. Drawing and study from the figure.

202. **Figure Drawing II.** 3 hrs. Prerequisite: ART 201 or*. Advanced study from the human figure involving composition and sustained drawings.

203. **Figure Drawing III.** 3 hrs. Prerequisite: ART 202 or *. Advanced drawing from the figure involving composition, expression and personal vision.

212. **Crafts.** 3 hrs. A study of the techniques and problems involved in the creation and design of jewelry. May not be used toward the major in art or art education.

213. **Crafts.** 3 hrs. A continuation of ART 212 with emphasis in lapidary work. May not be used toward the major in art or art education.

221. **Technical Foundations for Painting.** 3 hrs. Prerequisites: ART 101, 111 or *. Experimental problems with traditional painting media and techniques.

251. **Workshop in Ceramics.** 3 hrs. Traditional techniques in the forming, firing, and glazing of clay. May not be used toward the major or minor in art or art education. (JC 2613)

301. **Drawing.** 3 hrs. Prerequisite: ART 102*. Expressive use of a variety of perspective systems.

302. **Drawing.** 3 hrs. Prerequisite: ART 202. Advanced study of visual form in drawing.

303. **Drawing.** 3 hrs. Prerequisite: ART 302. Advanced problematic study of form in drawing moving toward personal expression.

304. **Workshop in Drawing.** 1-3 hrs. Arr. A variety of drawing experiences which may be pursued by students at various levels. May not be used toward the major or minor.

305. **Relief Printmaking.** 3 hrs. Prerequisites: ART 102 and 112. A study of techniques and design for relief printmaking.

306. **Intaglio.** 3 hrs. Prerequisites: ART 102 and 112. A study of techniques and design for intaglio printmaking.

307. **Lithography.** 3 hrs. Prerequisites: ART 102 and 112. A study of techniques and design for lithographic printmaking.

308. **Serigraphy.** 3 hrs. Prerequisite: ART 102 and 112. Techniques and design for serigraphic printmaking.

311. **Design III.** 3 hrs. Prerequisite: ART 112*. Studio problems in design, emphasis on individual student needs.

312. **Design IV.** 3 hrs. Prerequisite: ART 311*. Studio problems in design, emphasis on individual needs.

313. **Design V.** 3 hrs. Prerequisite: ART 312*. Advanced studio problems in design.

314. **Design VI.** 3 hrs. Prerequisite: ART 313. Advanced studio problems in design.

321. **Painting I.** 3 hrs. Prerequisite: ART 102, 112 or*. Introduction to problematic study of form in painting.

322. **Painting II.** 3 hrs. Prerequisite: ART 321*. Advanced problematic study of form in painting.

323. **Painting III.** 3 hrs. Prerequisite: ART 322*. Advanced problematic study of painterly form moving toward an introduction to personal expression.

324. **Workshop in Painting.** 1-3 hrs. Painting experiences which may be pursued by students at various levels. May not be used toward the major or minor.

331. **Directed Museum and Gallery Tour.** 1 hr. An elective addendum to ART 131. Field trip and tour of galleries and museums for the viewing of original works.

332. **History of Art I.** 3 hrs. Ancient through Medieval Art. A survey course.

334. **History of Art II.** 3 hrs. Renaissance, Baroque, Nineteenth, and Twentieth Century Art.

341. **Commercial Techniques I.** 3 hrs. Prerequisites: ART 102 and 112*. The rendering of objects and materials for commercial presentation.

342. **Commercial Techniques II.** 3 hrs. Prerequisites: ART 341*. Hand and precision lettering and advertising and show card layout.

343. **Commercial Techniques III.** 3 hrs. Prerequisites: ART 341, 342*. Study of commercial illustrative techniques and their application to layout problems.

344. **Illustration.** 3 hrs. Prerequisites: ART 102, 112. Problems and techniques involving the relationship of the medium to the subject.

351. **Ceramics I.** 3 hrs. Prerequisite: ART 112. Experimental and traditional techniques in the manipulation of clay and plaster.

352. **Sculpture I.** 3 hrs. Prerequisite: ART 112. Experimental and traditional techniques in manipulation of metal and wood.

400. **The Art of Italy:** 3 hrs. Prerequisite:*. A travel/study course in the art of Italy.

412. **Crafts I.** 3 hrs. Prerequisite: ART 112. A study of the techniques and problems involved in the creation and design of jewelry.

413. **Crafts II.** 3 hrs. Prerequisite: ART 112 or ART 412. A continuation of ART 412 with emphasis in lapidary work.

414. **Crafts III.** 3 hrs. Prerequisite: ART 112 or ART 412. Techniques and problems involved in the creation and design of various fabrics with fibrous materials.

415. **Trends in Current Plastic Expression.** 3 hrs. A course designed to keep the student abreast of current trends in the plastic arts.

420. **Adapting Selected Current Art Trends.** 3 hrs. Art trends are identified and developed in terms of philosophies, practitioners, backgrounds, and techniques.

421. **Painting IV.** 3 hrs. Prerequisites: ART 323*. A personal search in painting. Class discussion and criticism.

422. **Painting V.** 3 hrs. Prerequisites: ART 421*. Advanced development of a personal language and statement in painting.

423. **Painting VI.** 3 hrs. Prerequisites: ART 422. A sustained individual effort in painting leading to the independent work of the senior project.

428. **Painting Project.** 3 or 6 hrs. Prerequisites: ART 422, 423*. Independent expressive problem in painting culminating with an exhibition.

431. **Ancient Art.** 3 hrs. Prerequisite: ART 332. Artistic achievements of the ancient world. A careful analysis of examples correlated with their background.

432. **Medieval Art.** 3 hrs. Prerequisite: ART 332. Art of the western civilizations from the fall of the Roman Empire to the end of the fourteenth century.

433. **Renaissance Art.** 3 hrs. Prerequisite: ART 334. Art of Italy, France, Germany, Spain, and the Low Countries from the close of the Middle Ages through the sixteenth century.

434. **Baroqueand Rococo Art.** 3 hrs. Prerequisite: ART 334. The tracing of these movements through the western world from the close of the sixteenth through the eighteenth century.

435. **Nineteenth Century Art.** 3 hrs. Prerequisite: ART 334. An analysis of Neo-Classicism, Romanticism, and Impressionism.

436. **Twentieth Century Art.** 3 hrs. Prerequisite: ART 334. An analysis of Fauvism, Cubism, Futurism, Surrealism, and Expressionism.

441. **Graphic Communication I.** 3 hrs. Prerequisite: ART 343*. Problems in advertising design, with particular attention to modern reproduction methods.

442. **Graphic Communication II.** 3 hrs. Prerequisite: ART 441. Continuation of ART 441 including color separation techniques and typographic experiments.

443. **Graphic Communication III.** 3 hrs. Prerequisite: ART 442. A continuation of ART 442, with particular emphasis on professional procedure.

448. **Graphic Communication Project.** 3 or 6 hrs. Prerequisite: ART 443*. Project in advertising design and presentation involving considerable research. Seminar.

451. **Ceramics II.** 3 hrs. Prerequisite: ART 351. Aesthetic problems in three dimensional expression, emphasis clay or plaster.

452. **Sculpture II.** 3 hrs. Prerequisite: ART 352. Aesthetic problems in three dimensional expression, emphasis wood, metal, or plastics.

453. **Ceramics III.** 3 hrs. Prerequisite: ART 451. Utilitarian problems in three dimensional expression, emphasis clay.

454. **Sculpture III.** 3 hrs. Prerequisite: ART 452. Three dimensional expression, emphasis wood, metal, or plastics.

458. **Three Dimensional Design Project.** 3 or 6 hrs. Prerequisites: ART 453 and 454. Project in three dimensional expression involving considerable research. Seminar.

492. **Special Problems in Art.** 1-3 hrs. Prerequisite: Senior standing and consent of instructor. Individual research on an approved visual art problem. (Students undertaking a Senior Honors Project will enroll in ART H492.)

498. **British Studies, Art History.** 3-6 hrs. Variable content. Lecture series and research offered under the auspices of the Institute of Anglo-American Studies.

499. **British Studies, Art Studio.** 3-6 hrs. Variable content. Studio series offered abroad under the auspices of the Institute of Anglo-American Studies.

ART EDUCATION (ARE—665)

207. **Introduction to Art.** 3 hrs. For non-art majors. Survey of the fundamentals of Art. (JC 1213)

309. **Elementary School Art.** 3 hrs. Prerequisite: ARE 207 (elementary education majors); ART 101 and ART 111 (art education majors). Art theory and techniques to the elementary classroom situation.

310. **Secondary School Art.** 3 hrs. Prerequisite: ARE 309. An application of art theory and techniques to the secondary classroom situation.

320. **Directed Tour of Exemplary Art Education Programs.** 3 hrs. Prerequisite: ARE 309 or 310. Observation of exemplary art education programs in operation in the U.S. or abroad.

392. **Special Projects for Teachers I, II.** 2 hrs. Prerequisite: ARE 207. Projects in art and methods of presentation to children in the elementary grades.

426. **Curriculum and Instruction in Art Education.** 3 hrs. A study of the art curriculums and instructional programs in the public schools in grades K through twelve.

452 **Methods in Art.** 3 hrs. Stresses the aims, objectives, and methods of art education in the elementary and secondary schools.

482. **Student Teaching in Art Education.** 3-12 hrs.

491. **Art Education Workshop.** 2 hrs. A study of art education problems. This course may not be applied toward a degree in art education.

492. **Art Education Project.** 3 hrs. Prerequisites: ARE 309 and ARE 310. A research project in specialized art techniques as applied to the classroom situation.

ASTRONOMY (AST—365)

111. **General Astronomy.** 3 hrs. Introduction to early astronomy, tools of astronomers, and the solar system.

\+ 111-L. **General Astronomy Laboratory.** 1 hr. Corequisite/Prerequisite: AST 111.

112. **General Astronomy.** 3 hrs. Stellar structure, evolution of the Galaxy, extragalactic astronomy, and cosmology.

\+ 112-L. **General Astronomy Laboratory.** 1 hr. Corequisite/Prerequisite: AST 112.

BIOLOGICAL SCIENCES (BSC—300)

Courses satifying General Education Curriculum Requirements for laboratory sciences that may **not** be counted toward a major in Biological Science.

103. **Biological Science.** 3 hrs. Concepts and methods of biological science and their relationship to human affairs. Cannot be taken in combination with BSC 110 to meet the 8 semester hour general education requirement for laboratory science.

\+ 103-L. **Biological Science Laboratory.** 1 hr. Corequisite for BSC 103.

106. **Plants and People.** An appreciation of plants with emphasis on botanical subjects of current interest.

\+ 106-L. **Plants and People Laboratory.** 1 hr. Corequisite for BSC 106.

107. **Heredity and Human Affairs.** 3 hrs. Foundations of human reproductive and heredity interrelationships and their significance in social, ethical, and moral problems.

107-L. **Heredity and Human Affairs Laboratory.** 1 hr. Corequisite for BSC 107.

108. **Microbes and Human Affairs.** 2 hrs. Introduction to basic characteristics of microorganisms and their role in human affairs.

108-L. **Microbes and Human Affairs Laboratory.** 2 hrs. Corequisite for BSC 108.

250. **Human Anatomy and Physiology I.** 3 hrs. Cells and tissues; integumentary, skeletal, muscular, respiratory and circulatory systems. (JC 1513, 2513, 1514, 2514)

\+ 250-L. **Human Anatomy and Physiology I Laboratory.** 1 hr. Corequisite for BSC 250.

251. **Human Anatomy and Physiology II.** 3 hrs. Digestive, nervous, urogenital and endocrine systems. (JC 1523, 2523, 1524, 2524)

\+ 251-L. **Human Anatomy and Physiology II Laboratory.** 1 hr. Corequisite for BSC 251.

281. **Microorganisms in Food.** 3 hrs. Microbiology of domestic and commercially prepared foods.

281-L. **Microorganisms in Food Laboratory.** 1 hr. Corequisite for BSC 281.

Courses which **may** be counted toward a major in Biological Sciences.

110. **Principles of Biological Science I.** 3 hrs. Introduction to biological science, emphasizing the principal structural and functional systems of cells, organ systems, and organisms. Satisfies the general education requirement for laboratory science. Cannot be taken in combination with BSC 103 to meet the 8 semester hour general education requirement for laboratory science. (JC 1133-1134)

\+ 110-L. **Principles of Biological Science I Laboratory.** 1 hr. Corequisite for BSC 110.

111. **Principles of Biological Science II.** 3 hrs. Prerequisite: BSC 110 or equivalent. Principles of biological science at the level of the population, community, and ecosystem. Satisfies the general education requirement for laboratory science. (JC 1143-1144)

\+ 111-L. **Principles of Biological Science II Laboratory.** 1 hr. Corequisite for BSC 111.

201. **General Zoology.** 2 hrs. Prerequisite: BSC 110 or equivalent. Systematics, functional morphology, and ecological relationships of the major animal phyla. (JC 2414)

201-L. **General Zoology Laboratory.** 1 hr. Corequisite for BSC 201.

226. **General Botany.** 2 hrs. Prerequisite: BSC 110 or equivalent. Systematics, structure, physiology, growth and development of plants. (JC 1313, 1314)

226-L. **General Botany Laboratory.** 1 hr. Corequisite for BSC 226.

280. **Microorganisms in Health and Disease.** 3 hrs. A comprehensive survey of microorganisms of public health significance for nursing students. (JC 2923, 2924)

305. **Evolution.** 3 hrs. Prerequisites: BSC 110 or equivalent; BSC 211, and GLY 103 recommended. A comprehensive treatment of evolutionary theory.

360. **Cellular Physiology.** 3 hrs. Prerequisites: 8 hours of biology, 8 hours of chemistry; organic chemistry recommended. Cellular anatomy, chemistry, and physics.

361. **Comparative Anatomy.** 2 hrs. Phylogeny of the chordates, with special emphasis on vertebrate organ systems.

361-L. **Comparative Anatomy Laboratory.** 2 hrs. Corequisite for BSC 361.

370. **Genetics.** 3 hrs. Prerequisite: BSC 380 or BSC 110; one semester of organic chemistry recommended. The fundamental principles of heredity.

370-L. **Recitation in Genetics.** 1 hr. Corequisite for BSC 370.

380. **General Microbiology.** 2 hrs. Current concepts in microbiology to include their structure and function, physiology, genetics, ecology, and role in disease.

380-L. **General Microbiology Laboratory.** 2 hrs. Corequisite for BSC 380.

400. **History of Biology.** 3 hrs. Lectures and papers concerning the development of biological sciences.

401. **Natural History of Animals.** 1 hr. Prerequisite: Consent of instructor. Life histories of animals. Designed for teachers.

401-L. **Natural History of Animals Laboratory.** 2 hrs. Corequisite for BSC 401.

402. **Natural History of Plants.** 1 hr. Prerequisite: Consent of instructor. Life histories of plants.

402-L. **Natural History of Plants Laboratory.** 2 hrs. Corequisite for BSC 402.

403. **Natural History of Infectious Diseases.** 3 hrs. A study of infectious diseases and their effect on man.

404. **Field Biology.** 1-2 hrs. arr. Ecological and taxonomic studies. Offered between semesters as 4- to 12-day field trips.

404-L. **Field Biology Laboratory.** 2-4 hrs. Corequisite for BSC 404.

405. **Principles of Nomenclature.** 3 hrs. Prerequisite: Consent of instructor. Discussions and problems in biological nomenclature.

406. **Zoogeography.** 3 hrs. Prerequisite: Consent of instructor. A descriptive and analytical study of the distribution of animals.

407. **Protozoology.** 2 hrs. Prerequisites: BSC 110, 111. Introduction to parasitic and free-living protoza.

407-L. **Protozoology Laboratory.** 1 hr. Corequisite for BSC 407.

408. **Invertebrate Zoology I.** 2 hrs. Prerequisites: BSC 110, 201. Functional morphology, systematics, and life histories of the phyla Porifera through the minor protostomes.

408-L. **Invertebrate Zoology I Laboratory.** 1 hr. Corequisite for BSC 408.

409. **Invertebrate Zoology II.** 2 hrs. Prerequisite: BSC 408. Functional morphology, systematics, and life histories of invertebrate phyla through the Hemichordata.

409-L. **Invertebrate Zoology II Laboratory.** 1 hr. Corequisite for BSC 409.

410. **Human Parasitology.** 3 hrs. Prerequisites: BSC 110, 201. Life histories, medical significance, and diagnosis of helminths and protozoa parasitic in man.

410-L. **Human Parasitology Laboratory.** 1 hr. Corequisite for BSC 410.

411. **Entomology.** 2 hrs. Prerequisites: BSC 110, 111. Structural adaptations, classification, life histories and habits, and the economic importance of insects.

411-L. **Entomology Laboratory.** 1 hr. Corequisite for BSC 411.

412. **Medical Entomology.** 2 hrs. Prerequisite: Consent of instructor. Arthropod vectors and agents of disease.

412-L. **Medical Entomology Laboratory.** 1 hr. Corequisite for BSC 412.

413. **Arachnida Biology.** 2 hrs. Prerequisites: BSC 110, 111. Biology, morphology, and classification of the arachnids.

413-L. **Arachnida Biology Laboratory.** 1 hr. Corequisite for BSC 413.

414. **Ichthyology.** 2 hrs. Evolutionary relationships, morphology, physiology and zoogeography of fishes, with emphasis on identification of local forms.

414-L. **Ichthyology Laboratory.** 1 hr. Corequisite for BSC 414.

415. **Biology of Fishes.** 2 hrs. Prerequisite: Consent of instructor. Functional morphology, ecology and behavior of fishes.

415-L. **Biology of Fishes Laboratory.** 1 hr. Corequisite for BSC 415.

416. **Introduction to Fishery Science.** 2 hrs. A survey of the biology, management, and potential yield of fish populations.

416-L. **Introduction to Fishery Science Laboratory.** 1 hr. Corequisite for BSC 416.

417. **Herpetology.** 2 hrs. Prerequisites: BSC 110, 111. Collection, preservation, identification and distribution of amphibians and reptiles. Fieldtrips when possible.

417-L. **Herpetology Laboratory.** 1 hr. Corequisite for BSC 417.

418. **Ornithology.** 2 hrs. Prerequisite: BSC 361 recommended. Morphology, taxonomy, life history, distribution, evolution, and adaptations of birds.

418-L. **Ornithology Laboratory.** 1 hr. Corequisite for BSC 418.

419. **Mammalogy.** 2 hrs. Prerequisite: BSC 361 recommended. Morphology, taxonomy, life history, distribution, evolution, and adaptations of mammals.

419-L. **Mammalogy Laboratory.** 1 hr. Corequisite for BSC 419.

420. **Speciation.** 3 hrs. Origin and evolution of species.

422. **British Studies: History of Science.** 3-6 hrs. Lecture series and research in the history of science offered abroad under the auspices of the Institute of Anglo-American Studies. (May be taken as HIS 422 or SCE 422).

423. **History of Science and Technology.** 3 hrs. Traces the development of science and technology and their role in society from the Renaissance to the present.

426. **Introductory Mycology.** 2 hrs. Prerequisite: Consent of instructor. Taxonomy, physiology, and biochemistry of fungi.

426-L. **Introductory Mycology Laboratory.** 1 hr. Corequisite for BSC 426.

427. **Introductory Phycology.** 2 hrs. Prerequisite: Consent of instructor. Taxonomy, physiology, and biochemistry of the algae.

427-L. **Introductory Phycology Laboratory.** 1 hr. Corequisite for BSC 427.

428. **Plant Anatomy.** 2 hrs. Prerequisite: Consent of instructor. A study of the anatomy of vascular plants.

428-L. **Plant Anatomy Laboratory.** 1 hr. Corequisite for BSC 428.

429. **Bryophytes and Vascular Plants.** 3 hrs. Prerequisite: Consent of instructor. Life cycles, evolution, and morphology of bryophytes and vascular plants.

429-L. **Bryophytes and Vascular Plants Laboratory.** 1 hr. Corequisite for BSC 429.

430. **Aquatic and Marsh Plants.** 2 hrs. Prerequisite: Consent of instructor. Collection, identification, and ecology of plants of fresh and brackish water.

430-L. **Aquatic and Marsh Plants Laboratory.** 1 hr. Corequisite for BSC 430.

431. **Plant Physiology.** 2 hrs. Prerequisite: General and organic chemistry recommended. The basic physiological processes of green plants.

431-L. **Plant Physiology Laboratory.** 1 hr. Corequisite for BSC 431.

432. **Economic Botany.** 2 hrs. Prerequisite: Consent of instructor. Origin, distribution, and significance of plants most important to man.

432-L. **Economic Botany Laboratory.** 1 hr. Corequisite for BSC 432.

433. **Taxonomy of Local Flora.** 2 hrs. Prerequisites: BSC 110, 111. The classification of the local flora.

433-L. **Taxonomy of Local Flora Laboratory.** 1 hr. Corequisite for BSC 433.

434. **Dendrology.** 2 hrs. Prerequisites: BSC 110, 111. The taxonomic and ecological characteristics, and the distribution of trees.

434-L. **Dendrology Laboratory.** 1 hr. Corequisite for BSC 434.

435. **Plant Ecology.** 2 hrs. Prerequisite: Advanced standing in botany. Relationship of plants to their environment.

435-L. **Plant Ecology Laboratory.** 1 hr. Corequisite for BSC 435.

436. **Field Botany.** 6 hrs. Offered summers in Great Britain. Emphasis on native woody vegetation.

440. **Ecology.** 2 hrs. Prerequisites: BSC 110 and 111, or consent of instructor. The study of the relationships of organisms to their environment and to each other.

440-L. **Ecology Laboratory.** 1 hr. Corequisite for BSC 440.

441. **Population and Community Ecology.** 2 hrs. Collection, analysis, and interpretation of data on natural populations and communities.

441-L. **Population and Community Ecology Laboratory.** 1 hr. Corequisite for BSC 441.

442. **Behavioral Ecology and Sociobiology.** 3 hrs. Prerequisites: BSC 455 and 440 recommended. The adaptive significance and evolution of behavior.

443. **Freshwater Biology.** 1 hr. Prerequisites: BSC 110 and 111, or consent of instructor. The study of the biota of ponds, lakes, rivers, and streams.

443-L. **Freshwater Biology Laboratory.** 2 hrs. Corequisite for BSC 443.

444. **Limnology.** 2 hrs. Prerequisites: BSC 110 and 111, or consent of instructor. The physical, chemical and biological dynamics of inland waters.

444-L. **Limnology Laboratory.** 1 hr. Corequisite for BSC 444.

445. **Introduction to Biological Oceanography.** 3 hrs. Prerequisites: BSC 110, 111. Marine biological regimes and the influence of geological, physical, and chemical oceanographic factors.

445-L. **Introduction to Biological Oceanography Laboratory.** 1 hr. Corequisite for BSC 445.

446. **Aquaculture.** 2 hrs. Prerequisites: 12 hours of biology and 8 hours of chemistry. Production of aquatic organisms in natural and artificial environments.

446-L. **Aquaculture Laboratory.** 1 hr. Corequisite for BSC 446.

450. **General Physiology.** 3 hrs. Organismic function and the adaptations which characterize major animal groups.

450-L. **General Physiology Laboratory.** 1 hr. Corequisite for BSC 450.

451. **Mammalian Physiology.** 3 hrs. The functions of mammalian systems; interrelationships and regulation are emphasized.

451-L. **Mammalian Physiology Laboratory.** 1 hr. Corequisite for BSC 451.

452. **Environmental Physiology.** 2 hrs. Physiological adaptations enabling animals to meet environmental challenges.

452-L. **Environmental Physiology Laboratory.** 1 hr. Corequisite for BSC 452.

453. **Invertebrate Physiology.** 2 hrs. Prerequisite: 12 hours of biology. A functional approach to the major invertebrate phyla.

453-L. **Invertebrate Physiology Laboratory.** 1hr. Corequisite for BSC 453.

454. **Endocrinology.** 3 hrs. Prerequisites: BSC 110, 111, or consent of instructor. Survey of the endocrine system and its regulation of physiological processes.

455. **Animal Behavior.** 3 hrs. Prerequisite: BSC 201. Classical and current concepts of animal behavior including individual and social behavioral patterns.

455-L. **Animal Behavior Laboratory.** 1 hr. Corequisite for BSC 455.

460. **Pharmacology.** 3 hrs. Prerequisites: Vertebrate biology and organic chemistry. The response of living organisms to drugs.

461. **Histology.** 4 hrs. Prerequisite: 12 hours of biology. Microscopic anatomy of mammalian organ systems.

461-L. **Histology Laboratory.** Corequisite for BSC 461; separate credit given for the laboratory.

462. **Microtechnique.** 1 hr. Techniques for sectioning, mounting, and staining tissue and making whole amounts.

462-L. **Microtechnique Laboratory.** 2 hrs. Corequisite for BSC 462.

463. **Pathobiology.** 2 hrs. Prerequisite: BSC 461. Principles of histopathology of vertebrates and invertebrates.

463-L. **Pathobiology Laboratory.** 1 hr. Corequisite for BSC 463.

464. **Microscopy.** 2 hrs. Theory and use of the electron microscope and associated instrumentation, and darkroom techniques.

464-L. **Microscopy Laboratory.** 1 hr. Corequisite for BSC 464.

465. **Embryology.** 2 hrs. Prerequisite: Consent of instructor. Maturation, fertilization, cleavage, histogenesis, and organogenesis.

465-L. **Embryology Laboratory.** 2 hrs. Corequisite for BSC 465.

466. **Human Embryology.** 3 hrs. Factors which activate or regulate developmental processes.

467. **Diseases of Aquatic Animals.** 2 hrs. Prerequisites: BSC 110, 111. Bacterial, fungal, viral and parasitic diseases of freshwater and marine fish, shellfish and crustaea.

467-L. **Diseases of Aquatic Animals Laboratory.** 2 hrs. Corequisite for BSC 467.

471. **Advanced Genetics.** 2 hrs. Prerequisite: BSC 370. A continuation of BSC 370.

471-L. **Advanced Genetics Laboratory.** 2 hrs. Corequisite for BSC 471. Laboratory exercises to illustrate basic genetic principles.

473. **Physiological Genetics.** 3 hrs. Prerequisites: BSC 370, 471. Physiological concepts of heredity.

474. **Interpretation of Biological Data.** 3 hrs. Prerequisite: Permission of instructor. Techniques applicable to the design and interpretation of biological research.

475. **Medical Genetics.** 3 hrs. The basic principles of human genetics with emphasis on the causation of abnormality and disease. Cannot be substituted for BSC 370.

476. **Molecular Biology.** 3 hrs. Prerequisite: BSC 370 or 477. Molecular biology of viral, prokaryotic and eukaryotic systems.

477. **Microbial Genetics.** 3 hrs. Prerequisites: BSC 370, 471. The genetics and molecular biology of microorganisms and bacteriophages.

477-L. **Microbial Genetics Laboratory.** 1 hr. Corequisite for BSC 477.

480. **Determinative Bacteriology.** 2 hrs. Principles of isolation, characterization and identification of higher bacteria.

480-L. **Determinative Bacteriology Laboratory.** 2 hrs. Corequisite for BSC 480.

481. **Pathogenic Microbiology.** 2 hrs. Schemes for isolation and identification of major groups of disease-producing microorganisms.

481-L. **Pathogenic Microbiology Laboratory.** 2 hrs. Corequisite for BSC 481.

482. **Advanced Pathogenic Microbiology.** 2 hrs. Continuation of BSC 481.

482-L. **Advanced Pathogenic Microbiology Laboratory.** 2 hrs. Corequisite for BSC 482.

483. **Medical Mycology.** 3 hrs. Prerequisite: Permission of instructor. Consideration of the fungi of medical significance.

483-L. **Medical Mycology Laboratory.** 1 hr. Corequisite for BSC 483.

484. **Virology and Tissue Culture.** 2 hrs. Viral classification, replication, and biochemistry; tissue culture technology.

484-L. **Virology and Tissue Culture Laboratory.** 2 hrs. Corequisite for BSC 484. Basic and applied tissue culture techniques.

485. **Viral Pathogenesis and Diagnosis.** 3 hrs. Host-viral interaction from a pathological and immunological viewpoint with isolation and laboratory characterization.

485-L. **Viral Pathogenesis and Diagnosis Laboratory.** 1 hr. Corequisite for BSC 485.

486. **Immunology and Serology.** 3 hrs. A study of the cellular, chemical, and genetic mechanisms of the immune response.

486-L. **Immunology and Serology Laboratory.** 1 hr. A laboratory introduction to cellular and serologic immune reactions and their diagnostic usefulness. Corequisite for BSC 486.

487. **Microbial Physiology.** 3 hrs. A comprehensive survey of bacterial structure, nutrition, and biochemistry.

487-L. **Microbial Physiology Laboratory.** 1 hr. Corequisite for BSC 487.

488. **Food Microbiology.** 2 hrs. Microorganisms affiliated with the preparation, spoilage, pathogenicity, and sanitation of foods.

488-L. **Food Microbiology Laboratory.** 2 hrs. Corequisite for BSC 488.

489. **Microbial Pollution of Water.** 2 hrs. Control of pure water supply.

489-L. **Microbial Pollution of Water Laboratory.** 2 hrs. Corequisite for BSC 489.

492. **Special Problems I, II, III.** 2-6 hrs. A course in library and/or laboratory research selected in consultation with the adviser. (Students undertaking a Senior Honors Project will enroll in BSC H492.)

496. **Undergraduate Seminar I, II, III.** 1-3 hrs. The presentation and discussions of current biological topics.

497. **Interdisciplinary Seminar in Developmental Disabilities.** 3 hrs.

THE FOLLOWING COURSES ARE TAUGHT AT THE GULF COAST RESEARCH LABORATORY IN OCEAN SPRINGS BY THE GULF COAST RESEARCH LABORATORY STAFF.

MARINE BIOLOGY (MBI—307)

401. **Oceanography II: Marine Biology.** 5 hrs. Prerequisite: 8 hours of biological sciences. An introduction to marine biology with emphasis on local fauna and flora.

402. **Marine Vertebrate Zoology.** 6 hrs. Prerequisite: 16 hours of biology. Survey of marine chordates; fishes, reptiles, mammals, and shore birds.

403. **Marine Invertebrate Zoology.** 6 hrs. Prerequisites: 16 hours of biology. Morphology, distribution, and ecology of the phyla Protoza through Protochordates.

404. **Parasites of Marine Animals.** 6 hrs. Prerequisite: Consent of instructor. Emphasis on morphology, taxonomy, life histories, and host-parasite relationships.

405. **Marine Ecology.** 5 hrs. Prerequisite: 16 hours of biological sciences. The relationship of marine organisms to their environment.

406. **Fauna and Faunistic Ecology of Tidal Marshes.** 4 hrs. Prerequisite: Consent of instructor. Taxonomy, distribution, trophic relationships, reproductive strategies and adaptation of tidal marsh animals.

407. **Marine Aquaculture.** 6 hrs. Problems and procedures relating to the culture of commercially important crustaceans, fish, and mollusks.

408. **Comparative Histology of Marine Organism.** 1-6 hrs. Prerequisite: Consent of instructor. Histology of marine organisms, including tissue processing techniques.

409. **Behavior and Neurobiology of Marine Animals.** 4 hrs. Prerequisite: Consent of instructor. Behavior, neuroanatomy and neurophysiology of marine animals with emphasis on neural mechanisms.

420. **Marine Botany.** 4 hrs. Prerequisite: 10 hours of biology including botany. A survey, based upon local examples, of the principal groups of marine algae.

421. **Coastal Vegetation.** 3 hrs. Prerequisite: Ten hours of biology, including general botany. A study of general and specific aspects of coastal vegetation, with emphasis on local examples.

422. **Salt Marsh Plant Ecology.** 4 hrs. The botanical aspects of local marshes; includes plant identification, composition and structure.

423. **Early Life History of Marine Fishes.** 4 hrs. Prerequisite: Consent of instructor. Reproductive strategies and early developmental processes of marine fishes.

480. **Marine Microbiology.** 5 hrs. Prerequisite: General Microbiology. An introduction to the role of microorganisms in the overall ecology of the oceans and estuaries.

490. **Special Problems in Marine Science.** 1-3 hrs. Prerequisite: Consent of instructor. Independent research.

491. **Special Topics in Marine Science.** 1-3 hrs. Prerequisite: Consent of instructor. Directed study in area for which no formal courses are offered.

BUSINESS EDUCATION (BED—105)

100. **Keyboarding.** 2 hrs. Developing basic keyboarding skills useful to a wide spectrum of disciplines to enable people to produce words efficiently using a keyboard terminal.

101. **Elementary Typewriting.** 3 hrs. For **beginners.** Acquiring keyboard control, developing correct typewriting techniques, and applying this skill to problems. (JC 1113)

102. **Intermediate Typewriting.*** 3 hrs. A review of keyboard and manipulative controls, with emphasis on letter styles, manuscripts, and tabulated reports. (JC 1123)

104. **Word Processing with TRS-DOS.** 2 hr. Basic and advanced production and editing of documents with TRS-DOS.

108. **Word Processing with MS-DOS.** 2 hr. Basic and advanced production and editing of documents with MS-DOS.

199. **Machine Shorthand.** 4 hrs. Beginning machine shorthand theory with emphasis on reading and writing, dictation and transcription. Laboratory included.

200. **Introduction to Business Communication.** 3 hrs. Basic mechanics of grammar usage and punctuation for business communications.

201. **Beginning Shorthand.** 3 hrs. For **beginners.** Shorthand theory with practice; emphasis on fluency of reading and writing; some dictation and transcription. Laboratory included. (JC 1213)

202. **Intermediate Shorthand.*** 3 hrs. Review of symbol or machine shorthand theory with emphasis on dictation, pre-transcription factors, and transcription. Laboratory included.

300. **Business Communications.** 3 hrs. Prerequisites: BED 200, ENG 101 and 102. Study and application of principles and techniques used in analyzing problems and writing effective business letters and memos.

302. **Foundations in Consumer and Economics Education.** 3 hrs. Concepts and principles of economic and business structures for economic literacy.

305. **Dictation and Transcription.*** 3 hrs. Prerequisite: Stenograph machine for court reporters. Automatic review of symbol or machine shorthand theory with emphasis on speed and production of mailable transcripts. Laboratory included.

310. **Advanced Typewriting.*** 3 hrs. Emphasis on speed and accuracy in preparing stencils, business forms, legal documents, tables, manuscripts, and letters.

352. **Filing Systems and Records Management.** 3 hrs. Study of a systems approach to planning, organizing, and directing a records management system to include electronic mail, with a limited review of major filing rules and systems.

360. **Word Processing.** 3 hrs. The theory and management of word processing as a component of office systems.

362. **Word Processing Applications.** 3 hrs. Prerequisite: BED 104, 108. Skill development in utilizing and applying word processing software on microcomputers.

404. **Advanced Machine Shorthand.*** 3 hrs. Prerequisite: BED 305. Dictation and transcription of literary material, jury charge, and testimony. Laboratory included. Terminal speed requirements: 140-160.

450. **Information Processing Applications.** 3 hrs. Prerequisite: BED 362. Advanced applications skill development on the microcomputer emphasizing production activities.

452. **History and Philosophy of Vocational Education.** 3 hrs. History, concepts, office occupations, employment opportunities, procedures, and techniques.

453. **Techniques of Coordination.** 3 hrs. Techniques and procedures used in coordinating office occupations programs and distributive education programs.

454. **Methods and Materials in Teaching Distributive Education.** 3 hrs. Principles, concepts, program plans, curricula, methods and instructional materials, activities, research, and evaluation.

455. **Organization and Administration of Distributive Education.** 3 hrs. Basic problems, objectives, and characteristics of DE programs as applied in their development.

456. **Principles and Techniques of Vocational Business Education.** 3 hrs. Preparation of prospective business teachers for certification in intensive business training and vocational office training.

460. **Administrative Office Management.** 3 hrs. Principles of management; office organization, procedures, and supervision; layout, supplies, machines, personnel, forms, reports, and services.

465. **Microcomputers in Business Education.** 3 hrs. Prerequisites: BED 104, 108. Skill development in use of multiple software packages relative to business education.

472. **Court Reporting I.*** 3 hrs. Prerequisite: BED 404. Dictation and transcription of literary material, jury charge, and testimony. Laboratory included. Terminal speed requirements: 180-200.

475. **Legal Secretaryship.** 3 hrs. Prerequisites: BED 104, 108, and 305. A course stressing the professional aspects of legal practices, procedures, and terminology.

476. **Medical Office Procedures and Records Management.** 3 hrs. Prerequisite: BED 102. Emphasis on the professional aspects of the work of a medical secretary.

477. **Medical Transcription.** 3 hrs. Prerequisite: BED 104, 108. Emphasis on medical terminology, records, and forms, with limited transcription.

478. **Advanced Medical Transcription.** 3 hrs. Prerequisite: BED 477. Emphasis on additional medical terminology, with increased emphasis on transcription.

479. **Review for the Certified Professional Secretary Examination.** 3 hrs. Prerequisites: Typewriting skill. A course to prepare persons for the Certified Professional Secretary Examination. Not to be counted toward any degree at the University of Southern Mississippi.

480. **Research and Report Writing.** 3 hrs. Concepts and methods of business research and style; problems in researching and reporting business data in written form.

485. **Administrative Office Procedures.** 3 hrs. Problems in secretarial work, along with the developing of desirable personality traits and good human relations.

490. **Court Reporting II.*** 3 hrs. Prerequisite: BED 472. Finishing speed course and courtroom practice. Terminal speed requirements: 225-240. Laboratory included.

492. **Special Problems in Business Education.** 1-3 hrs. Study approved and directed by the department chair. (Students undertaking a Seniors Honor Project will enroll in BED H492.)

*Prerequisite for all typewriting and shorthand courses—Grade of C or better in the preceding course or equivalent coursework.

CHEMISTRY (CHE—320)

100. **Introductory Chemistry.** 3 hrs. Prerequisite: High school algebra or MAT 101, either of which may be taken concurrently. A preparatory course (for CHE 101) in chemical fundamentals; does not satisfy core requirements in any academic college.

101. **General Chemistry I.** 3 hrs. Prerequisites: High school chemistry or CHE 100; high school algebra or MAT 101, which may be taken concurrently. Molecular structure, stoichiometry, the mole concept, types of solutions, energy-enthalpy. (JC 1213, 1214, 1215)

+ 101-L. **General Chemistry I Laboratory.** 1 hr. A laboratory designed to accompany CHE 101. Concurrent registration in CHE 101 is required.

102. **General Chemistry II.** 3 hrs. Prerequisites: CHE 101 and MAT 101. Gases, kinetics, equilibria, thermodynamics, electrochemistry, nuclear chemistry, coordination compounds. (JC 1223, 1224, 1225)

+ 102-L. **General Chemistry II Laboratory.** 1hr. A laboratory designed to accompany CHE 102. Concurrent registration in CHE 102 is required.

104. **Chemistry, Principles and Applications.** 3 hrs. Corequisite: CHE 104L. For nonscience majors. Emphasis on the impact of chemical discovery and technology on the individual and society. This course does not satisfy core requirements in the College of Science and Technology or the Schools of Nursing and Home Economics.

+ 104-L. **Chemistry, Principles and Applications Laboratory.** 1 hr. Corequisite: CHE 104. The laboratory designed to accompany CHE 104.

231. **Descriptive Inorganic Chemistry.** 2 hrs. Corequisites: CHE 102, 102L. Chemistry of the elements emphasizing the synthesis, structure, reactions and periodic trends of inorganic compounds.

251. **Elementary Organic Chemistry.** 3 hrs. Prerequisite: CHE 101; Corequisite: CHE 251-L. A course which includes nomenclature and reactions of aliphatic and aromatic hydrocarbons, acids, aldehydes, ketones, and amines, and stereochemistry.

+ 251-L. **Elementary Organic Chemistry Laboratory.** 1 hr. A laboratory designed to accompany CHE 251. Concurrent registration in CHE 251 is required.

255. **Organic Chemistry.** 3 hrs. Prerequisite: CHE 102. Aliphatic compounds: nomenclature, reaction mechanisms, sterochemistry, and spectroscopic analysis.

+ 255-L. **Organic Chemistry Laboratory.** 1 hr. A laboratory designed to accompany CHE 255. Concurrent registration in CHE 255 is required.

256. **Organic Chemistry.** 3 hrs. Prerequisite: CHE 255. Aromatic compounds, acids, acid derivatives, aldehydes, ketones, amines, phenols, and an introduction to several polyfunctional compounds (carbohydrates, aminoacids, proteins).

+ 256-L. **Organic Chemistry Laboratory.** 2 hrs. A laboratory designed to accompany CHE 256. Concurrent registration in CHE 256 is required.

300. **Chemical Safety.** 3 hrs. Prerequisite: CHE 251 or 256 or permission of the instructor. Hazards of various commonly used chemicals. Includes 3 hours of laboratory per week.

+ 310-L. **Analytical Chemistry Laboratory.** 1hr. A laboratory for medical technology and life science majors. Must be taken concurrently with CHE 311.

311. **Analytical Chemistry.** 3 hrs. Prerequisite: CHE 102. Chemical equilibrium. Gravimetric and columetric analysis. Introductory instrumental analysis.

+ 311-L. **Analytical Chemistry Laboratory.** 2 hrs. A laboratory designed to accompany CHE 311. Concurrent registration in CHE 311 is required.

321. **Elementary Biochemistry.** 3 hrs. Prerequisite: CHE 251. A one-semester course in biochemistry.

+ 321-L. **Elementary Biochemistry Laboratory.** 1 hr. A laboratory designed to accompany CHE 321. Concurrent registration in CHE 321 is required.

322. **Clinical Biochemistry.** 3 hrs. Prerequisite: CHE 321. A course designed to acquaint the student with the biochemical basis for clinical diagnosis.

361. **Physical Chemistry for Pre-Medical and Biological Sciences Students.** 4 hrs. Prerequisites: MAT 103 and CHE 311. Gas laws, kinetics, equilibrium and free energy, electrochemistry, pH, buffers, and membrane phenomena.

362. **Physical Chemistry for Pre-Medical and Biological Sciences Students.** 4 hrs. Prerequisite: CHE 361. A continuation of CHE 361.

400. **Chemical Literature.** 2 hrs. Prerequisites: CHE 256 and 311. The selection and use of the reference materials of chemistry: periodicals, journals, texts, patents, and other sources of information.

401. **Glass Blowing.** 2 hrs. Simple operations of glass blowing to enable the student to make common apparatus.

402. **Chemistry of the Atmosphere.** 4 hrs. Prerequisite: CHE 311. Radiocarbon cycle, atmospheric photochemistry, weather patterns, greenhouse effect, combustion pollutants, health hazards.

403. **Industrial Chemistry.** 4 hrs. Prerequisite: Permission of the instructor. Important processes used in industry. Invited industrial representatives and plant visits keep the topics current and useful.

406. **Modern Chemical Problem Solving I.** 3 hrs. Prerequisite: Permission of instructor. Techniques of solving relevant problems relating to quantitative aspects of chemical reactions.

407. **Modern Chemical Problem Solving II.** 3 hrs. Prerequisite: Premission of instructor. Solving problems relating to chemical dynamics, periodicity, and bonding.

409. **Chemistry Laboratory Teaching.** 1 hr. Prerequisite: Permission of the instructor. Instruction and practice for teaching assistants in the academic chemistry laboratory.

+ 411. **Instrumental Analysis.** 4 hrs. Prerequisite: CHE 462. Theory and practice of instrumental methods of analysis; absorption spectroscopy, chromatography, magnetic resonance, mass spectroscopy, electro-metric methods and fundamental electronics. Includes 3 hours of laboratory per week.

421. **Biochemistry I.** 3 hrs. Prerequisite: CHE 256. The properties of amino acids, proteins, carbohydrates, lipids, and nucleic acids; actions of enzymes and protein synthesis.

422. **Biochemistry II.** 3 hrs. Prerequisite: CHE 421. Major metabolic pathways with emphasis on energy considerations and interrelationships of the pathways.

426. **Introduction to Biochemistry.** 3 hrs. Prerequisite: CHE 462. A one-semester survey course emphasizing the chemical principles underlying biochemistry. For chemistry majors.

+ 427-L. **Biochemistry I Laboratory.** 1 hr. Corequisite: CHE 421 or CHE 426. An optional laboratory course to accompany CHE 421 or CHE 426.

+ 428-L. **Biochemistry II Laboratory.** 1 hr. Prerequisite: CHE 427. Corequisite: CHE 422. A continuation of CHE 427-L.

431. **Inorganic Chemistry.** 4 hrs. Prerequisite: CHE 462. Models, concepts, bonding and periodic trends in inorganic chemistry. Includes 3 hours of laboratory per week.

432. **Descriptive Inorganic Chemistry.** 3 hrs. Prerequisite: CHE 431. Electronic state transitions and spectra, coordination chemistry, reaction kinetics and mechanisms, special topics.

441. **Applications of Nuclear Techniques.** 4 hrs. Prerequisite: CHE 102. Radiation detection, shielding and handling, tracer methods, radioactive decay calculations. Includes 3 hours of laboratory per week.

451. **Qualitative Organic Analysis.** 4 hrs. Prerequisite: CHE 256. The systematic identification of pure organic compounds and the analysis of mixtures. Includes 6 hours of laboratory per week.

461. **Physical Chemistry.** 3 hrs. Prerequisites: CHE 256, PHY 202, and MAT 168, or 178. Corequisite: CHE 311. Chemical thermodynamics, kinetics, surface phenomena, quantum chemistry, symmetry, spectroscopy, and molecular structure.

+ 461-L. **Physical Chemistry Laboratory.** 1 hr. A laboratory designed to accompany CHE 461. Concurrent registration in CHE 461 is required.

462. **Physical Chemistry.** 3 hrs. Prerequisite: CHE 461. A continuation of CHE 461.

+ 462-L. **Physical Chemistry Laboratory.** 1 hr. A laboratory designed to accompany CHE 462. Concurrent registration in CHE 462 is required.

496. **Special Projects.** 1-3 hrs. Prerequisite: CHE 462 and permission of faculty. A senior level research problem performed under the direction of a faculty adviser and terminated by a formal written report. (Students undertaking a Senior Honors Project will enroll in CHE H496.)

496-L. **Special Projects Laboratory.** 1-3 hrs. A laboratory designed to accompany CHE 496. (Students undertaking a Senior Honors Project will enroll in CHE H496-L.)

CHILD DEVELOPMENT (CD—805)

350. **Child Development.** 3 hrs. Designed to create interest in preschool children and to foster understanding of their development and behavior patterns. Includes weekly laboratory experiences.

352. **Behavior and Guidance of the Young Child.** 3 hrs. Prerequisite: CD 350. Developmental behavior patterns and guidance principles for preschool children. Includes weekly laboratory experiences.

359. **Preschool Teachers' Workshop I, II, III.** 1 hr. For teachers, administrators, and educational leaders of preschool centers with emphasis on administration, curriculum, and other appropriate subjects.

450. **Administration of Programs for Preschool Children.** 3 hrs. Prerequisite: 3 hrs. in Child Development. Evaluation of policies and procedures, organizational structure, and management will be emphasized.

451. **Infant Development.** 3 hrs. Emphasis is given to the development and behavior of the infant. Includes weekly laboratory experiences. Supervised experiences included.

452. **Child Development Methods and Materials.** 3 hrs. Provisions are made to evaluate and select materials for use in developing teaching techniques and planning play activities for children. Includes weekly laboratory experiences.

453. **Creative Activities for the Preschool Child.** 3 hrs. A study of creative activities for preschool children. Includes weekly laboratory experiences.

455. **Supervised Participation.** 6 hrs. Prerequisite: CD 452. Directed participation in programs for young children.

459. **Symposium in Child Development.** 3 hrs. Prerequisite: Consent of instructor. A study of theories and recent research used in preschool education.

475. **Contemporary Issues Affecting the Quality of Life.** 3 hrs. Prerequisite: Senior Standing. Interdisciplinary problem-solving regarding issues of importance in improving the quality of human life.

492. **Special Problems in Child Development.** 1-4 hrs. Prerequisites: CD 350 and consent of instructor. (Students undertaking a Seniors Honor Project will enroll in CD H492.)

498. **Families of the Developmentally Disabled.** 3 hrs. Prerequisite: Senior standing or permission of instructor. Interdisciplinary approach to the study of families of the developmentally disabled.

CLOTHING AND TEXTILES (CT—810)

121. **Fashion Fundamentals.** 3 hrs. An introduction of fashion merchandising with emphasis on the process by which fashion apparel is developed and distributed.

131. **Basic Apparel Construction.** 3 hrs. Understanding and applying the fundamental principles of garment construction. (JC 1313, 1332)

220. **Professional Image and Dress.** 1 hr. A study of dress and appearance in developing a professional image.

221. **Fashion Modeling and Fashion Show Production.** 3 hrs. Basic principles of fashion modeling and fashion show production.

222. **Fashion Presentations.** 3 hrs. A study of fashion presentations for different classifications of merchandise in the apparel and accessories market.

321. **Study Tour.** 1-6 hrs. Planned tour to market centers with emphasis on clothing, textiles, fashion, and interiors.

328. **Fashion Display.** 2 hrs. Prerequisite: ART 111 or ARE 207. Study of the basic elements and principles involved in display with experiences in creating and planning displays.

330. **Textiles I.** 3 hrs. A study of the production, properties, and performance of textile fibers and yarns.

331. **Evaluation of Apparel Construction.** 3 hrs. Prerequisites: CT 131 and CT 330 or 334. Application of intermediate clothing construction techniques with emphasis on the evaluation of construction and fit in ready-to-wear.

332. **Art of Dress.** 3 hrs. Prerequisite: ART 111 or ARE 207. Experiences in perceiving visual design elements and social psychological factors as they relate to dress.

333. **Advanced Apparel Construction.** 3 hrs. Prerequisites: CT 131 and 330 or 334. Application of intermediate apparel construction techniques with emphasis on pattern alteration.

334. **Textiles II.** 3 hrs. Prerequisite: CT 330 recommended. A study of the production, properties, and performance of textile fabrication and finishes.

335. **Clothes and Cultures.** 3 hrs. Prerequisites: HIS 101 and 102. Cultural and economic factors concurrent to the adoption and abandonment of dress from ancient times to the present.

337. **Quality Recognition of Fashion Apparel.** 3 hrs. Prerequisites: CT 131 and CT 330 or 334. A study of selected categories of fashion merchandise in relation to variety, quality, current trend, and elements of customer demand.

421. **International Fashion Study.** 2-9 hrs. Planned study of international fashion centers with emphasis on clothing, textiles, interiors, and merchandising. May be repeated up to 9 hrs.

430. **Textile Product Evaluation.** 3 hrs. Prerequisites: CT 330 and 334, ECO 301, or approval of instructor. Testing textile fabrics by ASTM and AATCC methods, planning, conducting, and interpreting textile research.

431. **Tailoring.** 3 hrs. Prerequisite: CT 333 or equivalent. Principles and techniques of tailoring applied to men's and women's apparel.

432. **Textile Economics.** 3 hrs. Prerequisites: ECO 255 and CT 330 or 334. A study of the economic principles involved in the production, distribution, and consumption of textile products.

433. **Flat Pattern Design.** 3 hrs. Application of flat pattern design techniques to the creation of dress designs.

434. **History of Decorative Textiles.** 3 hrs. Prerequisites: CT 330, 334 or approval of instructor. Historical and methodological study of applied and structural textile design.

435. **Merchandising Mathematics.** 3 hrs. Prerequisite: MKT 342. Basic principles and applications of merchandising mathematics as related to the fashion industry.

436. **Fashion Merchandising.** 3 hrs. Prerequisites: CT 121, 337, 435, and MKT 342. A study of the assignments, responsibilities, and practices of fashion buying and merchandising.

437. **Principles of Apparel Design and Production.** 3 hrs. Prerequisites: CT 331, 332 and 330 or 334. A study of the historical beginnings, the development and current methods used in the design and production of apparel and accessories. Lab emphasis is placed on fashion sketching.

439. **Retail Merchandising Internship.** 4 hrs. Prerequisites: CT 337, 435 and 436, MKT 330 and 342, and ENG 333. Understanding the operation and management of retail activities through a supervised work program in a cooperating apparel retail store. To qualify, students must have an overall 2.25 GPA. Approval must be obtained through an application form from the director of the School and the internship coordinator.

475. **Contemporary Issues Affecting the Quality of Life.** 3 hrs. Prerequisite: Senior Standing. Interdisciplinary problem solving regarding issues of importance in improving the quality of human life.

478. **Seminar in Clothing and Textiles.** 1-6 hrs. Designed to examine pertinent issues and current trends in textiles and clothing.

492. **Special Problems.** 1-6 hrs. A directed individual study planned and approved by the chair of the department. (Students undertaking a Seniors Honor Project will enroll in CT H492.)

COACHING AND SPORTS ADMINISTRATION (CSA—710)

210. **Varsity Football.** 1 hr.

211. **Varsity Basketball.** 1 hr.

212. **Varsity Baseball.** 1 hr.

213. **Varsity Track and Field.** 1 hr.

214. **Varsity Tennis.** 1 hr.

215. **Varsity Golf.** 1 hr.

216. **Varsity Softball.** 1 hr.

217. **Varsity Volleyball.** 1 hr.

218. **Varsity Swimming and Diving.** 1 hr.

240. **Techniques of Officiating Minor Sports.** 3 hrs. Personal skills and officiating techniques in varsity sports. To include track and field, swimming, golf, and tennis.

300. **Foundations and Trends in Athletics and Coaching.** 3 hrs. The role of athletics in society. The sociological, cultural, and ethical dealings with athletics as it relates to coaching.

303. **Organization and Administration of High School Athletics.** 3 hrs. The organizational and administrative procedures of major and minor sports programs.

320. **Basic Techniques of Coaching Football.** 3 hrs. The study of offensive and defensive fundamentals. The philosophies, terminology, strategy, and individual techniques used in football.

321. **Basic Techniques of Coaching Basketball.** 3 hrs. A study of basketball fundamentals. The history, philosophy, terminology, strategy, and individual techniques of basketball.

322. **Coaching Wrestling.** 2 hrs. Fundamentals of coaching wrestling as it relates to the selection of personnel, skills, and proper training procedures.

323. **Coaching Volleyball.** 2 hrs. Fundamentals of coaching volleyball as it relates to the selection of personnel, skills, and proper training procedures.

340. **Coaching Golf.** 2 hrs. Theoretical and practical approach to golf instruction. Course planning and maintenance, rules and etiquette, and tournament administration.

341. **Coaching Tennis.** 2 hrs. Techniques of coaching tennis. Construction and maintenance of tennis courts. Organization and administration of a tennis program.

360. **The Organization and Administration of Aquatics.** 3 hrs. Community and school swimming programs, pool operation, maintenance, and sanitation.

361. **Coaching Swimming and Diving.** 3 hrs. Fundamental principles involved in swimming and diving. Selection and placement of personnel, practice schedules, and training techniques.

363. **Emergency Water Safety.** 2 hrs. Prerequisite: Proficiency in swimming. American Red Cross Emergency Water Safety Certification awarded upon completion.

364. **Lifeguard Training/Instructor.** 3 hrs. Lifeguard techniques for pool, beach, waterfront. Instructor certification for those who successfully complete the courses. ARC certification.

370. **Prevention and Care of Athletic Injuries.** 3 hrs. Theory and practice for the prospective trainer and coach.

372. **Athletic Therapy Modalities.** 2 hrs. The theory and operation of the most commonly used therapeutic devices of the training room.

372-L. **Athletic Therapy Modalities Laboratory.** 1 hr. Must be taken concurrently with CSA 372.

373. **Rehabilitation of Sports Injuries.** 3 hrs. Prerequisites: BSC 250 and CSA 370. The objectives and principles used to restore injured athletes to their pre-injury level of fitness, including proper use of equipment, exercise, and flexibility.

374. **Evaluation Techniques of Athletic Injuries I.** 3 hrs. Prerequisites: BSC 250 and CSA 370. A specialized course dealing with anatomy, injury symptoms, and specific tests to help make preliminary evaluation of injuries.

375. **Evaluation Techniques of Athletic Injuries II.** 3 hrs. Prerequisites: BSC 250 and CSA 370. A specialized course in initial clinical evaluation of athletic injuries, emergency care procedures, and training room administration.

402. **Competitive Sports for Children and Youth.** 3 hrs. An analysis of the organization, administration, trends, and effects of competitive sports for children and youth.

403. **The Role of Women in Competitive Sports.** 3 hrs. A historical and theoretical analysis of fundamentals, techniques, methods, administrative procedures, and the implementation of Title IX.

404. **Equipment and Facilities for Competitive Athletics.** 3 hrs. The planning and administration of facilities to include purchasing, care, and inventory of equipment.

405. **Governing Agencies for Competitive Athletics.** 3 hrs. An indepth study of the governing agencies related to the administration and control of athletic competition.

409. **Psychological and Sociological Aspects of Coaching.** 3 hrs. The analysis and study of human behavior patterns as they relate to athletics.

420. **Techniques of Officiating Sports.** 3 hrs. Personal skills and officiating techniques of sports.

421. **Advanced Techniques of Coaching Football.** 3 hrs. Player selection, offensive and defensive formations, and game organization and strategy.

422. **Advanced Techniques of Coaching Basketball.** 3 hrs. The criteria of player selection with emphasis on the area of theory, principles, and techniques of offensive and defensive planning and strategy.

423. **Coaching Baseball.** 3 hrs. The study of advanced techniques of baseball. Emphasis placed on player selection and placement, team organization, and game strategy.

424. **Coaching Track and Field.** 3 hrs. Selecting personnel, fundamentals, and training techniques.

425. **Field Experience in Officiating Competitive Athletics.** 3 hrs. Prerequisites: CSA 240 and CSA 420. To provide an opportunity for practical experience in officiating competitive athletics.

426. **Coaching Soccer.** 3 hrs. Fundamentals of coaching soccer as it relates to the selection of personnel, philosophy, skills and proper training procedures.

460. **Water Safety Instructor's WSI.** 3 hrs. Prerequisite: CSA 362. Knowledge and skills beyond the scope of Advanced Life Saving; certifying personnel to conduct water safety courses in schools and communities.

470. **Assessment and Development of Athletic Attributes.** 3 hrs. The development and administering of strength, endurance, flexibility, reaction, speed, and agility programs.

471. **Practice Organization, Scouting, and Communication Techniques.** 3 hrs. Daily practice plans. Scouting techniques, cinematography, instructional materials, techniques and equipment for coaches.

472. **Field Experience in Athletic Training.** 3 hrs. During the senior year, all students working toward an athletic training certificate will be given actual practice in the field.

473. **Practicum in Coaching and Sports Administration.** 1-6 hrs. Provision of experiences in the unique phases of the Department of Coaching and Sports Administration program.

474. **Taping and Wrapping of Athletic Injuries.** 2 hrs. Prerequisites: CSA 370 and CSA 374. Practical taping and wrapping experiences consisting of observation and actual taping of all types of athletic injuries.

475. **Medical Aspects of Athletic Training.** 3 hrs. Team physician and trainer relation ships. Physical examination, emergency equipment, medical terminology, and problems related to the team doctor.

476. **Training Room Practice.** 1-6 hrs. Practical training room experiences consisting of observation and actual practice of training room techniques.

477. **Seminar in Sports Medicine.** 3 hrs. A study of modern methods and techniques utilized in sports medicine as it relates to coaches, trainers, and team physicians.

499. **British Studies.** 3-6 hrs. Involves variable topics. Lectures and supervised research in England. Offered exclusively through the USM Institute of Anglo-American Studies.

COMPUTER ENGINEERING TECHNOLOGY (CET—325)

323. **Applied Discrete Transforms for Engineering Technology I.** 3 hrs. Prerequisite: MAT 137. Linear discrete time, signals, and system analysis; analysis of system response using convolution-summation and z-transform techniques.

324. **Applied Discrete Transforms for Engineering Technology II.** 3 hrs. Prerequisite: MAT 137 and CET 323. Corequisite: CET 477. System transfer functions, system response analysis, digital filter design, state-space system representation.

370. **Hardware Systems I.** 3 hrs. Design, analysis and implementation of digital logic systems with emphasis on circuit construction and verification.

\+ 370-L. **Hardware Systems Laboratory.** 1 hr.

437. **Microprocessor and Programmed Logic.** 4 hrs. Prerequisites: CET 470, 470L. Microprocessor architecture and operation. Semiconductor RAM. "Programmed Hardware" concepts.

470. **Digital Systems I.** 3 hrs. Corequisite: CSS 370, 370-L. Analysis and synthesis of combinational and sequential circuits. Structured computer organization.

\+ 470-L. **Digital Systems I Laboratory.** 1 hr. Corequisite: CET 470.

471. **Digital Systems II.** 3 hrs. Prerequisite: CET 470. Architectural organization of digital systems, microprogramming.

\+ 471-L. **Digital Systems II Laboratory.** 1 hr. Corequisite: CET 471.

474. **Switching Circuits.** 3 hrs. Prerequisite: CET 370. Fundamentals of synchronous and asynchronous sequential circuits.

477. **Process Control Systems.** 3 hrs. Prerequisites: CET 323 and 471. Corequisite: CET 324. Fundamentals of process control systems and analysis.

478. **Digital Control Systems.** 3 hrs. Prerequisite: CET 324 and 477. Design of systems incorporating a computer as an on-line element. Design of control algorithms and optimal control techniques.

\+ 478-L. **Digital Control Systems Laboratory.** 1 hr. Corequisite: CET 478.

487. **Introduction to VLSI Systems.** 3 hrs. Prerequisites: ELT 211, CET 474 and 437. Integrated circuit fabrication, interactive layout patterning, using system clocks and timing algorithms.

492. **Special Problems.** 1-4 hrs.

COMPUTER SCIENCE (CSC—333)*

101. **Computer Science I.** 3 hrs. Corequisite: CSC 101-L. Problem-solving, algorithm development, computer programming, overview of computer science.

\+ 101-L. **Computer Science I Laboratory.** 1 hr. Corequisite: CSC 101.

102. **Computer Science II.** 3 hrs. Prerequisite: CSC 101, 101L. Corequisite: CSC 102L. Continuation of CSC 101 with emphasis on programming style and algorithm analysis.

\+ 102-L. **Computer Science II Laboratory.** 1 hr. Corequisite: CSC 102.

203. **Introduction to Computer Systems.** 3 hrs. Prerequisite: CSC 102, 102L. Corequisite: CSC 203L. Computer systems and architecture, assembler language programming.

\+ 203-L. **Computer Systems Laboratory.** 1 hr. Corequisite: CSC 203.

204. **Introduction to Computer Organization.** 3 hrs. Prerequisites: CSC 102, 102L, MAT 179. Corequisite: CSC 204L. Fundamentals of logic design, organization and structuring of computer hardware components, mechanics of information transfer and control within a digital computer system.

\+ 204-L. **Computer Organization Laboratory.** 1 hr. Corequisite: CSC 204.

205. **Introduction to File Processing.** 3 hrs. Prerequisites: CSC 102, 102L. Concepts of structuring data on bulk storage devices, applications of data structures and file processing techniques.

306. **Operating Systems and Computer Architecture I.** 3 hrs. Prerequisites: CSC 203, 204, 205. Corequisite: CSC 306L. Operating systems principles, relationships between operating system and computer architecture.

\+ 306-L. **Operating Systems Laboratory I.** 1 hr. Corequisite: CSC 306.

307. **Data Structures and Algorithm Analysis.** 3 hrs. Prerequisites: CSC 205, MAT 326 and MAT 340. Algorithm analysis and design, data manipulation in the environment of a database management system, nonnumeric algorithms which act on data structures.

308. **Organization of Programming Languages.** 3 hrs. Prerequisite: CSC 307. Runtime behavior of programs, formal specification and analysis of programming languages.

309. **Computers and Society.** 3 hrs. Concepts of social value, social impact of professional activity, the social impact of computers.

410. **Operating Systems and Computer Architecture II.** 3 hrs. Prerequisites: CSC 306, 306L, 308, MAT 420. Corequisite: CSC 410L. Continuation of CSC 306. Emphasis on intra-system communication.

\+ 410-L. **Operating Systems Laboratory II.** 1 hr. Corequisite: CSC 410.

411. **Database Management Systems Design.** 3 hrs. Prerequisites: CSC 306, 307. Design and implementation of DBMS. Survey of research literature.

412. **Introduction to Artificial Intelligence.** 3 hrs. Prerequisite: CSC 308. Concepts and techniques of intelligent systems. Survey of research literature.

413. **Algorithms.** 3 hrs. Prerequisite: CSC 308. Design and analysis of algorithms. Complexity theory.

414. **Software Design and Development.** 3 hrs. Prerequisite: CSC 308. Formal software development. Team Projects.

415. **Theory of Programming Languages.** 3 hrs. Prerequisite: CSC 308. Formal treat ment of programming language translation and compiler design concepts.

481. **Computer Science.** 4 hrs. Corequisite: CSC 481L. Problem solving, algorithm development, computer programming, overview of computer science. Emphasis on algorithm analysis and programming style. Combines CS1 and CS2.

481-L. **Computer Science Laboratory.** 1 hr. Corequisite: CSC 481.

482. **Introduction to Computer Systems and Organization.** 4 hrs. Corequisite: CSC 482L. Computer systems and architecture, assembler language programming. Fundamentals of logic design, organization and structuring of computer hardware and components, mechanics of information transfer and control within a digital computer system. Combines CS3 and CS4.

482-L. **Introduction to Computer Systems and Organization Laboratory.** 1 hr. Corequisite: CSC 482.

483. **File Processing and Data Structures.** 4 hrs. Corequisite: CSC 483-L. Concepts of structuring data on bulk storage devices, application of data structures and file processing techniques, algorithm analysis and design, data manipulation in the environment of a database management system, nonnumeric algorithms which act on data structures. Combines CS5 and CS6.

483-L. **File Processing and Data Structures Laboratory.** 1 hr. Corequisite: CSC 483.

484. **Operating Systems and Programming Languages.** 4 hrs. Corequisite: CSC 484-L. Operating systems principles, relationships between operating system and computer architecture. Run-time behavior of programs, formal specification and analysis of programming languages. Combines CS7 and CS8.

484-L. **Operating Systems and Programming Languages.** 1 hr. Corequisite: CSC 484.

CSC 481/CSC 481-L and CSC 482/CSC 482-L may be taken concurrently. CSC 483/CSC 483-L and CSC 484/CSC 484-L may be taken concurrently.

* A grade of C or better is required for all prerequisite courses listed in this section.

COMPUTER SCIENCE AND STATISTICS (CSS—330)*

+ 100. **Introduction to Computing.** 3 hrs. Personal computer concepts, uses of computers in society, introduction to software packages for word processing, data management, spread sheets, graphics, and introduction to programming using BASIC.

211. **Statistical Methods I.** 3 hrs. Prerequisite: MAT 101. Sampling and sampling distributions: normal and binomial, measures of central tendency and dispersion hypothesis testing. (JC-BAD-2323)

212. **Statistical Methods II.** 3 hrs. Prerequisite: CSS 211. Hypothesis testing, correlation, regression analysis, analysis of variance and covariance.

+ 240. **FORTRAN Programming.** 3 hrs. Techniques of programming using the FORTRAN 77 language. (JC 1123, 2323)

+ 242. **Fundamentals of Cobol.** 3 hrs. Prerequisite: CSS 100. Logic design and fundamental Cobol concepts for business majors. May not be taken by computer science majors.

+ 320. **Introduction to Linear Programming Techniques.** 3 hrs. Prerequisite: MAT 103. Formulation of models, graphical solutions, matrix operations, simplex method, two-phase technique, duality, transportation problem.

+ 330.**Introduction to Programming.** 3 hrs. Structured programming, step-wise refinement, introduction to Pascal.

+ 340. **Advanced Computing Programming.** 3 hrs. Prerequisite: CSS 330 or equivalent. Structured Programming and an in-depth study of Pascal.

+ 341. **Digital Computer Programming.** 3 hrs. Prerequisite: CSS 340. Assembler language coding: registers, instruction formats, decimal and floating point arithmetic, I/O coding, system capabilities, program states.

+ 342. **Introduction to COBOL Programming.** 3 hrs. Prerequisite: CSS 340. Programming of problems using the COBOL language.

+ 350. **Data Structures.** 3 hrs. Prerequisite: CSS 340. Data structures and algorithms for their manipulation. Lists and arrays; stacks, queues, deques; tree structures; elementary sorting and searching routines.

+ 400. **Introduction to Computer Education.** 3 hrs. State of the art study in utilizing the computer as a tool in the classroom. Development of courseware using TRS-80 microcomputers. Cannot count toward a degree in computer science.

402. **Structured Basic Programming.** 3 hrs. Prerequisite: CSS 400. Technical presentation of BASIC with scientific problem solving, algorithms and an introduction to data structures.

403. **Authoring Systems for Computer Based Learning.** 3 hrs. Prerequisite: CSS 400. Developing computer based instructional modules utilizing the authoring system approach.

404. **Functional Programming with LOGO.** 3 hrs. Prerequisite: CSS 400. An introduction to the functional style of programming using the LOGO programming language. This course cannot be used to satisfy any degree requirements in the College of Science and Technology.

410. **Principles of Artificial Intelligence.** 3 hrs. Prerequisite: CSS 350. Computer representation of knowledge, problem solving, automated deductive systems, computer learning, computer implementation of AI problems, expert systems.

415. **Methods of Mathematical Statistics I.** 3 hrs. Prerequisite: MAT 168. Introduction to probability, random variables, mathematical expectation, sampling distributions, confidence intervals and hypothesis testing on single populations.

416. **Methods of Mathematical Statistics II.** 3 hrs. Prerequisite: CSS 415. Confidence intervals and hypothesis testing on two or more populations, analysis of variance models, regres sion analysis.

417. **Experimental Design.** 3 hrs. Prerequisite: CSS 416. Factorials, randomized blocks, Latin squares and split-plot, fractional factorials and confounding, response surface models.

418. **Sampling Methods.** 3 hrs. Prerequisite: CSS 415. The planning, execution, and evaluation of sample surveys. Simple random sampling, stratified random sampling, cluster sampling.

420. **Numerical Analysis I.** 3 hrs. Prerequisites: MAT 168 and CSS 240. Numerical solution to transcendental equations, systems of linear and non-linear equations. Milne's method, Runge-Kutta method.

421. **Numerical Analysis II.** 3 hrs. Prerequisites: MAT 169 and CSS 240. Modeling of continous and discrete systems, approximation to computer based functions. Pade' approximation.

+ 422. **Operations Research.** 3 hrs. Prerequisite: CSS 320. PERT-CPM, dynamic and quadratic programming, parametric and integer linear programming, penalty functions.

423. **Digital Signal Processing I.** 3 hrs. Prerequisite: CSS 323. Theory, design and implementation of digital signal processing structures.

424. **Digital Signal Processing II.** 3 hrs. Prerequisite: CSS 423. Design and implementation of digital image processing techniques. Image enhancements and pattern recognition.

425. **Computer Graphics Design.** 3 hrs. Prerequisites: BASIC and one semester of calculus. Theory, design and use of computer graphic systems.

426. **Computer Aided Design.** 3 hrs. Prerequisite: CSS 425. Design of man-machine interaction.

430. **Software Engineering I.** 3 hrs. Prerequisite: CSS 350. Overview of software developments, project management programming style, testing, debugging and other topics.

431. **Software Engineering II.** 3 hrs. Prerequisite: CSS 430. Programming languages and software design, modular/object oriented design, team programming, human factors, case studies.

+ 435. **Simulation and Modeling.** 3 hrs. Prerequisites: CSS 211 or 415 and 240. Constructing models of discrete stochastic systems, systems dynamics. Use of the SIMSCRIPT II.5 simulation package.

436. **Advanced Simulation and Modeling.** 3 hrs. Prerequisite: CSS 435. Advanced model design. Simulation of complex stochastic systems. Extended use of SIMSCRIPT II.5 simulation packages.

+ 441. **Programming Languages.** 3 hrs. Prerequisite: CSS 461. Formal study of programming languages, organization of programming languages, run-time behavior of programs, interpretative languages, lexical analysis and parsing.

+ 442. **Business Computer Systems.** 3 hrs. Prerequisite: CSS 342. Methods of system analysis, data acquisition, file structures, terminal selection, use of flowcharts and decision tables.

450. **Systems Programming.** 3 hrs. Prerequisite: Permission of instructor. Research projects in systems problems. Research will involve current software or hardware topics.

451. **Systems Programming.** 3 hrs. Prerequisite: Permission of instructor. A continuation of CSS 450.

+ 460. **Computer Software I.** 3 hrs. Prerequisites: CSS 341, 350. Assemblers and loaders.

+ 461. **Computer Software II.** 3 hrs. Prerequisite: CSS 460. An in-depth study of compilers and compiler writing techniques.

+ 462. **Computer Software III.** 3 hrs. Prerequisites: CSS 341 and 350. An in-depth study of operating systems (batch, time-sharing and real time systems).

463. **Operating Systems and Computer Architecture.** 3 hrs. Prerequisites: CSS 341, CET 370, MAT 178, and discrete math. A rigorous mathematical treatment of operating systems and computer architecture.

476. **Continuous Systems Modeling and Simulation.** 3 hrs. Prerequisite: MAT 385 or CSS 323. Modeling and simulation of physical systems using analog and digital techniques.

+ 480. **Conventional Data Base Management Systems.** 3 hrs. Prerequisites: CSS 342 and 350. Design and implementation of DBMS. Detailed study of hierarchical, network (CODASYL-DBTG), and inverted structures.

+ 481. **Relational Data Base Management Systems.** 3 hrs. Prerequisites: CSS 480. Theory of relational systems, comparison of relational and conventional systems, use of state-of-the-art relational systems such as ORACLE.

482. **Data Base Management Systems Design.** 3 hrs. Prerequisites: CSS 350, 463; MAT 178 and discrete math. A rigorous mathematical treatment of the concepts and structures needed to design and implement a data base management system.

485. **Information Retrieval in the U.K.-Theory.** 3 hrs. Prerequisites: CSS 342 and permission of instructor. A study of British information processing systems.

486. **Information Processing in the U.K.-Applications.** 3 hrs. Prerequisites: CSS 485 and permission of instructor. Design of information processing systems.

490. **Computer Science Seminar.** 1-3 hrs. Arr. Presentation of technical topics in the field.

492. **Computer Science Problems I.** 3 hrs. Prerequisite: Senior standing. Solution of problems germane to a select area of study.

493. **Computer Science Problems II.** 3 hrs. Solution of problems germane to a select area of study.

* A grade of C or better is required for all prerequisite courses listed in this section.

CONSTRUCTION ENGINEERING TECHNOLOGY (BCT—393)

101. **Construction Practices I.** 2 hrs. Basic construction techniques, tools and equipment, and job planning analysis used in residential projects.

+ 205. **Surveying.** 3 hrs. Prerequisite: MAT 103. Theory and practice in use of instruments for measuring distances, angles, etc., as applied in architecture and construction.

235. **Building Systems I.** 3 hrs. Prerequisites: ACT 132, ACT 204. Residential building systems with emphasis on materials integration, methods of construction and constructional detailing.

307. **Construction Equipment.** 2 hrs. Prerequisite: GLY 101. Construction equipment selection and utilization for commercial and heavy-highway construction.

336. **Building Systems II.** 3 hrs. Prerequisite: BCT 235. Commercial building systems with emphasis on materials integration, methods of construction and building codes.

358. **Construction Planning and Scheduling.** 3 hrs. Prerequisite: BCT 454. Critical Path Method (CPM) as a project planning, scheduling, and monitoring technique.

374. **Construction Organization.** 3 hrs. Prerequisite: GBA 295. Analysis of contracting functions and management concepts.

375. **Construction Safety.** 2 hrs. Development and management of accident prevention programs in construction.

392. **Special Problems.** 1-3 hrs. arr. Prerequisites: Junior standing and approval of faculty adviser.

400. **Senior Project.** 3 hrs. Prerequisites: Senior standing and approval of faculty adviser.

401. **Senior Project.** 3 hrs. Prerequisites: Senior standing and approval of faculty adviser.

444. **Concrete and Formwork Design.** 3 hrs. Prerequisite: ACT 342. Design of reinforced concrete structural members and systems. Concrete formwork design and cost analysis.

445. **Soils and Foundations.** 3 hrs. Prerequisites: ACT 343, GLY 101. Theory and application of soil mechanics to foundation design and construction.

454. **Estimating I.** 2 hrs. Prerequisites: BCT 336. Material quantity survey techniques used in estimating costs of construction projects.

455. **Estimating II.** 3 hrs. Prerequisite: BCT 454. Determination of construction cost, bidding procedures, and analysis of job cost data.

476. **Construction Labor.** 3 hrs. Prerequisite: BCT 374. A study of construction labor resources, labor history, and governmental labor regulations.

477. **Construction Project Management.** 3 hrs. Prerequisites: BCT 358, BCT 476. Duties and responsiblities of a construction manager. Services provided by CM firms.

478. **Applications of Construction Law.** 3 hrs. Prerequisite: Act 325. Analysis of construction law. Legal problems, the bidding process, the performance, the contract.

492. **Special Problems.** 1-3 hrs. Prerequisites: Senior standing and approval of faculty adviser.

COOPERATIVE EDUCATION (CED—099)

\+ 100 **Cooperative Education Work Term.** 0 hr.

COUNSELING PSYCHOLOGY AND COUNSELOR EDUCATION (CPY—140)

101. **Foundations of Personal Development.** 3 hrs. An introduction to the principles of human development. Open to freshmen and transfers only.

210. **Introduction to Social and Rehabilitation Services.** 3 hrs. An orientation via a review of relevant history, legal mandates, philosophy, objectives, and applied services.

301. **Introduction to Job Seeking.** 1 hr. To acquaint student with job seeking techniques including (a) development of an adequate resume and (b) the acquisition of job interview skills.

311. **Testing and Assessment.** 3 hrs. Introduction to basic assessment and evaluation techniques and application of these in rehabilitation settings.

312. **Counseling Theory and Practice.** 3 hrs. Emphasizes theories and principles undergirding the practical application of various helping techniques. Offered only with CPY 361.

313. **Vocational Development and Placement.** 3 hrs. An introduction to the study of vocational development, occupational structure, and job analysis.

361. **Social and Rehabilitation Services Laboratory.** 3 hrs. Application of interview and group techniques through personal interaction experiences. Offered only with CPY 312.

413. **Multicultural Counseling.** 3 hrs. Examines cultural diversity in North American society with focus on implications for counselors and mental health service providers.

415. **Vocational Evaluation.** 3 hrs. Prerequisite: CPY 313. Provides instruction in the concepts and skills comprising the process of vocational evaluation with emphasis on the use of work samples and the writing of prescriptive vocational reports.

423. **Group Procedures.** 3 hrs. Introduction to the fundamentals of developmental group work, with emphasis on individual behaviors in a group setting.

425. **Vocational Evaluation Practicum.** 3 hrs. Prerequisite: CPY 415. Develops a practicing knowledge of methods of vocational evaluation including work samples, psychometric tests and situational assessments.

430. **Principles and Processes of Case Management.** 3 hrs. This course focuses on the coordination of specific functional tasks associated with rehabilitation services.

431. **Medical Aspects of Rehabilitation.** 3 hrs. An introduction to the chronically disabling conditions both from the viewpoint of treatment processes and individual adjustment.

432. **Introduction to Community Resources.** 3 hrs. A study of the nature and development of agency resources within the community.

433. **Workshop in Counseling Procedures.** 3 hrs. A workshop to familiarize counselor personnel with new and innovative procedures in facilitating client development.

434. **Guidance of the Exceptional Child.** 3 hrs. A course to acquaint counselors and teachers with special considerations involved in providing guidance and child development services for exceptional children.

435. **Alcoholism and Drug Abuse Intervention.** 3 hrs. Intervention strategies in working with drug abusers with emphasis on the alcoholic.

436. **Behavioral Counseling.** 3 hrs. Examines and applies behavioral-oriented techniques used in counseling including desensitization, modeling, positive and negative reinforcement and assertive training.

462-463. **Social and Rehabilitation Services Field Practicum I, II.** 6 hrs. To be taken as an individual field practicum within an agency or facility.

492. **Special Problems.** 1-3 hrs. (Students undertaking a Seniors Honor Project will enroll in CPY H492.)

496. **Families of the Developmentally Disabled.** 3 hrs. Prerequisite: Senior standing or permission of instructor. Interdisciplinary approach to the study of families of the developmentally disabled.

497. **Interdisciplinary Seminar in Developmental Disabilities.** 3 hrs.

CRIMINAL JUSTICE (CJ—281)

200. **Introduction to Criminal Justice.** 3 hrs. An introduction to criminal law, criminological thought, and the operation of the criminal justice system. (JC-SOC-1313)

325. **Criminal Justice Theory.** 3 hrs. A survey of major American and European theories of criminal justice.

330. **Criminal Law.** 3 hrs. A survey of applied substantive criminal law with emphasis on the most common criminal offenses.

331. **Criminal Court Practice.** 3 hrs. An indepth study of the criminal case within the several courts of the state and federal systems.

332. **Traffic Law.** 3 hrs. An analysis of prevailing traffic law and methods of enforcement.

341. **Police Methods and Organization.** 3 hrs. A survey of the organization and administration of the American police.

342. **Criminal Investigation.** 3 hrs. Prerequisite: CJ 330. An overview of the crime solving process with emphasis on methodology, corpus delecti, and evidence.

352. **Introduction to Modern Corrections.** 3 hrs. An overview of major correctional systems and methods of treatment of offenders.

353. **Law of Criminal Corrections.** 3 hrs. A survey of the newly emerging rights of detained and incarcerated individuals.

360. **Introduction to Juvenile Justice.** 3 hrs. A survey of the common law roots of juvenile law, the unfolding of case law in American history, and the development of the juvenile court and juvenile corrections.

370. **Crime Prevention.** 3 hrs. A survey of methods of protecting life and property in the community and in industry.

371. **Industrial Security.** 3 hrs. A study of industrial and governmental needs for protective services as applied to property and personnel with emphasis on principles.

400. **Criminal Justice Practicum.** 3, 6, or 9 hrs. Prerequisites: Major in Criminal Justice with junior or senior standing and with permission of the chair. Field work offering research and practice in a criminal justice agency.

420. **Methods of Criminal Justice Research and Planning.** 3 hrs. An indepth study of criminal justice planning, evaluation, and research.

425. **Major Theorist in Criminal Justice.** 3 hrs. An analysis of the great thinkers on criminal justice from Aristotle to the present.

426. **Comparative Criminal Justice Systems.** 3 hrs. A study of foreign criminal justice systems emphasizing possible reforms for the American system.

430. **Criminal Procedure.** 3 hrs. A study of the procedural rules for the judicial enforcement of substantive criminal law.

433. **Evidence, Search, and Seizure.** 3 hrs. An examination of the laws of evidence and the procedures for obtaining it with special emphasis on application in criminal court.

440. **Police in the United States.** 3 hrs. An analysis of the organization and role of modern police agencies with emphasis on social, political, and economic impacts.

450. **Administration of Criminal Corrections.** 3 hrs. Prerequisite: CJ 352. An indepth study of the administrative process in the correctional system.

451. **Probation, Parole, and Community Corrections.** 3 hrs. An examination of probation and parole systems and other alternatives to incarceration.

460. **Juvenile Justice.** 3 hrs. A study of the law concerning investigation of juvenile offenders, disposition of offenders, and juvenile courts.

461. **Juvenile Corrections.** 3 hrs. An indepth study of the various treatment modalities currently employed.

462. **Comparative Juvenile Justice.** 3 hrs. Prerequisites: CJ 360 or 460 or approval of professor. An intensive study of a limited number of topics in the juvenile justice systems of Europe offered through the Department's Overseas Studies Program.

463. **Family Law.** 3 hrs. A study of common law and statutory concepts of family relationships emphasizing legal remedies to crime in the family.

470. **Political Economy of Criminal Justice.** 3 hrs. An analysis of political and economic factors influencing the criminal justice system.

471. **Victims of Crime.** 3 hrs. An indepth study of criminal victimization concerntrating on the victims of specific crimes and remedies for victimization.

480. **Seminar in Criminal Justice.** 3 hrs. An interdisciplinary seminar covering significant problem areas in the criminal justice system. Repeatable as topics vary.

489. **Caribbean Studies.** 3 hrs. Variable content, lectures, field exercises, and research offered abroad under the auspices of the Center for International Education.

492. **Special Problems.** 1-3 hrs. Prerequisites: Major in criminal justice with senior standing and permission by the chair. Supervised research in a specific field. (Students undertaking a Seniors Honor Project will enroll in CJ H492.)

497. **British Studies.** 3-9 hrs.

498. **British Studies: Comparative Criminal Jurisprudence.** 6 hrs. A comparative study abroad of criminal law, courts, and procedures.

499. **British Studies: Comparative Drug Law.** 3-6 hrs. A comparative study of the instructional responses to drug abuse and drug related criminal offenses.

CURRICULUM AND INSTRUCTION

ELEMENTARY EDUCATION (CIE—115)

099. **Developmental Reading.** 3 hrs. Required of all entering freshmen with an ACT English score of less than 12. Does not satisfy any University core or degree requirements.

100. **Developmental Processes in Elementary Mathematics.** 1-5 hrs. A review of the fundamentals of elementary arithmetic, algebra, and geometry for preservice elementary teachers. This course cannot be used for degree requirements.

102. **Improvement of Study.** 1 hr. An analysis of effective study techniques. Useful for college students who wish to improve their own reading and study habits. May be taken three times for credit.

300. **Introduction to Elementary Education.** 3 hrs. An introduction course to include field experiences.

301. **Methods and Materials in Elementary School Mathematics.** 3 hrs. Prerequisites: Show competence on the mathematics placement test or complete CIE 100; complete MAT 210. A course which utilizes modern strategies of psychology and methodology in elementary school mathematics on exploratory, structural, and mastery levels of learning.

305. **Social Studies in the Elementary Grades.** 3 hrs. Emphasis is on the social science interdisciplinary approach for content and methodology, problem solving, unit teaching, and thinking.

306. **Language Arts in the Elementary School.** 3 hrs. Emphasizes the methods and materials for teaching handwriting, creative writing, listening, speaking, and grammar in grades 1 through 8.

309. **Developing Skills in Reading.** 3 hrs. Develops competencies required in instructional and recreational reading and materials used to teach these skills in grades 1 through 8.

317. **Methods and Materials in Children's Literature.** 3 hrs. An introduction to children's primary literature in all forms, and a study of ways in which it is integrated into the curriculum for enrichment.

318. **Literature for the Middle School.** 3 hrs. A study of literature appropriate for use in grades 4 through 8 stressing effective use of literature in the school program.

343. **Methods and Materials in Elementary Education.** 3 hrs. A general methods course which examines materials and methods of teaching pupils in grades K through 8.

401. **Dealing with Social Problems in the Classroom.** 3 hrs. Managing class activities and instruction to deal with social problems which affect children and adolescents. (Telecourse).

403. **Kindergarten—Primary Education.** 3 hrs. Prerequisite: CIE 407. A practicum de signed to give teaching experiences in understanding the social, emotional, physical and cognitive growth and development of children.

407. **Strategies for Teaching Reading in the Elementary School.** 3 hrs. Prerequisites: CIE 306, and 309. A survey of the methods and approaches used to teach reading in the elementary school.

412. **Diagnosis and Remediation of Reading Disability for the Classroom Teacher.** 4 hrs. Prerequisite: CIE 407. Provides relevant practicum experiences in evaluation and gives extended opportunities in child tutoring appropriate to grades 2-8.

422. **Curriculum Development for Career Education.** 3 hrs. Introduction to principles of curriculum adaptation for school-based programs of career education.

425. **Methods and Materials in Early Childhood Education.** 3 hrs. A general methods course which examines materials and methods of teaching children in kindergarten through grade 3.

427. **Evaluation in Early Childhood Education.** 3 hrs. Emphasis is placed on evaluative techniques and principles relative to the physical, intellectual, emotional, and social development of young children.

474. **Contemporary Educational Reform.** 1 hr. Prerequisites: Completion of PSY 374, SPE 400, REF 400, REF 469, and corresponding mastery test. A study of Mississippi reform mandates, career issues, and legal aspects of teaching. (Also offered as CIS 474 for special area and secondary education majors)

475. **Assessment of Teaching.** 1 hr. Prerequisites: Completion of PSY 374, SPE 400, REF 400, REF 469, and corresponding mastery test. Study of the structure, use, and administration of the MTAI. (Also offered as CIS 475 for special area and secondary education majors)

476. **Professional Development Seminar.** 3 hrs. Prerequisite: Concurrent enrollment in student teaching. A study of individual and group practices, interpersonal relations skills, and professional activities which foster professionalism. (Also offered as CIS 476 for special area and secondary education majors)

+ 480. **Student Teaching in Lower Elementary.** 12 hrs. Prerequisites: REF 400, CIE 300, 301, 305, 306, 309, 407, 425; EPY 370, 374; SCE 432. Students who student teach in kindergarten through grade 3 will register for this course.

+ 482. **Student Teaching in Upper Elementary.** 12 hrs. Prerequisites: REF 400, CIE 300, 301, 305, 306, 309, 343, 407; EPY 370, 374; SCE 432. Students who student teach in grades 4 through 8 will register for this course.

489. **Seminar in Elementary Student Teaching.** 6 hrs. Prerequisite: Permission of the Director of Student Teaching. Designed to meet the student teaching requirement for noncertified experienced teachers. This course deals with classroom management, programs of instruction, and student role in the educational environment.

490. **Workshop in Aviation Education.** 3 hrs. Designed to familiarize teachers and administrators with the role that aviation and space exploration play in developing the school curriculum. May be taken twice for a total of six hours.

491. **The Reading Conference.** 3 hrs. An intensive program consisting of lectures, group discussion, and demonstration lessons.

492. **Special Problems.** 1-9 hrs. Prerequisite: Permission of the department chair. Provides the opportunity to pursue a special topic or area of interest. (Students undertaking a Seniors Honor Project will enroll in CIE H492.)

493. **Internship in the Elementary School.** 1-9 hrs. Prerequisite: Permission of the department chair. Reserved for those students who are enrolled in the internship program.

494. **Workshop in Learning Resources in Early Childhood Education.** 3 hrs. Student will become acquainted with learning sources, selection, use, and production multimedia materials.

496. **Projects in Elementary Education I, II, III.** 3 hrs. Designed for school systems planning local projects of curriculum revision and course of study construction.

497. **Teacher Certification Reinstatement.** 3 hrs. Prerequisite: Permission of instructor. Educational reform and research correlates of effective teaching, schools, and administration. (Also offered as CIS 497.)

498. **Families of the Developmentally Disabled.** 3 hrs.

499. **British Studies in Education.** 3-6 hrs.

SECONDARY EDUCATION (CIS—120)

301. **Practicum in Secondary Education.** 1 hr. A course designed to relate the study of theory to practical experience in a public school setting. May be repeated twice.

302. **Strategies in Reading Grades 5-12.** 3 hrs. The course will focus on the basic teaching strategies for junior and senior high school reading programs. This course is for recertification only and cannot be counted toward any degree program. The course is offered through ETV.

310. **Junior-Senior High School Reading Methods.** 3 hrs. A course designed to familiarize secondary teachers with reading skills, methods, and materials. Emphasis is placed on content skills in subject matter areas.

313. **Principles of Teaching High School.** 3 hrs. This general methods course emphasizes the goals of secondary education, motivation and direction of learning, and school organization.

401. **Dealing with Social Problems in the Classroom.** 3 hrs. Managing class activities and instruction to deal with social problems which affect children and adolescents. (Telecourse)

422. **Curriculum Development for Career Education.** 3 hrs. Introduction to principles of curriculum adaptation for school-based programs of career education.

451. **Methods in Business Education.** 3 hrs. A study of business education trends and aims, teaching procedures, tests and measurements, special helps, and teaching materials.

452. **Methods in Art.** 3 hrs. Stresses the aims, objectives, and methods of art education in the elementary and secondary schools.

453. **Methods in Industrial Arts.** 3 hrs. A course pertaining to the methods and materials in the teaching of industrial arts.

454. **Methods in English—Secondary.** 3 hrs. A course concerning methods of teaching English in the junior and senior high schools.

455. **Methods in Foreign Languages.** 3 hrs. A course in methods of teaching French, Spanish, and German in the secondary schools.

456. **Methods in Teaching Science—Secondary.** 3 hrs. A course designed to familiarize teachers with current trends, methods, and techniques of teaching science to secondary school students.

457. **Methods in Mathematics—Secondary.** 3 hrs. A course designed to give the student a knowledge of the objectives, curriculum problems, and organization and methods of teaching secondary school mathematics. (Also offered as MAT 457).

458. **Methods in Social Studies—Secondary.** 3 hrs. A study of the principal methods of teaching, application of psychological principles to teaching, and methods of selecting content and materials.

459. **Methods in Speech Communication.** 3 hrs. A general orientation to the teaching of speech communication, followed by individualized unit work in the special fields of speech communication.

462. **Methods and Principles in Health, Physical Education, and Recreation.** 3 hrs. Emphasizes materials and techniques of teaching health, physical education, and recreation in grades 1-12 of public schools.

465. **Methods in Journalism.** 3 hrs. A course designed to prepare the student for the teaching of journalism on the secondary school level.

470. **Curriculum of the Secondary Schools.** 2 hrs. A course which examines the present day structure and nature of the secondary school curriculum.

472. **Student Activities in Secondary Schools.** 1 hr. Consideration is given to the general nature, activities, and organization of the student extra-curricular program.

474. **Contemporary Educational Reform.** 1 hr. Prerequisites: Completion of PSY 374, SPE 400, REF 400, REF 469, and corresponding mastery test. A study of Mississippi reform mandates, career issues, and legal aspects of teaching. (Also offered as CIE 474 for elementary education majors)

475. **Assessment of Teaching.** 1 hr. Prerequisites: PSY 374, SPE 400, REF 400, REF 469, and corresponding mastery test. Study of the structure, use, and administration of the MTAI. (Also offered as CIE 475 for elementary education majors).

476. **Professional Development Seminar.** 3 hrs. Prerequisite: Concurrent enrollment in student teaching. A study of individual and group practices, interpersonal relations skills, and professional activities which foster professionalism. (Also offered as CIE 476 for elementary education majors)

\+ 479. **Student Teaching in Dance.** 12 hrs.

\+ 480. **Student Teaching in Vocational Education.** 12 hrs.

\+ 481. **Student Teaching in Business Education.** 12 hrs.

\+ 482. **Student Teaching in Art Education.** 12 hrs. (Also offered as ARE 482).

\+ 483. **Student Teaching in Industrial Arts.** 12 hrs.

\+ 484. **Student Teaching in English.** 12 hrs.

\+ 485. **Student Teaching in Foreign Languages.** 12 hrs.

\+ 486. **Student Teaching in Sciences.** 12 hrs.

\+ 487. **Student Teaching in Mathematics.** 12 hrs.

\+ 488. **Student Teaching in Social Studies.** 12 hrs.

\+ 489. **Student Teaching in Speech Communication.** 12 hrs.

\+ 490. **Student Teaching in Home Economics.** 12 hrs. Prerequisite: HEE 301 with grade no lower than B. (Also offered as HEE 490)

\+ 491. **Student Teaching in High School Health and Physical Education.** 12 hrs.

\+ 492. **Student Teaching in High School Library Science.** 12 hrs.

\+ 493. **Student Teaching in Music Education.** 12 hrs. (Also offered as MED 493)

+ 494. **Student Teaching in Journalism.** 12 hrs.

495. **Seminar in Secondary Student Teaching.** 6 hrs. Prerequisite: Permission of Director of Student Teaching. Designed to meet the student teaching requirements for noncertified experienced teachers. This course deals with classroom management, programs of instruction, and student role in the educational environment.

+ 496. **Internship in Secondary Education.** 9 hrs. Prerequisite: Permission of the Director of Interns. Reserved for those students who are enrolled in the internship program.

497. **Teacher Certification Reinstatement.** 3 hrs. Prerequisite: Permission of instructor. Educational reform and research correlates of effective teaching, schools, and administration. (Also offered as CIE 497.)

498. **Families of the Developmentally Disabled.** 3 hrs.

499. **Studies in British Education.** 3-6 hrs.

DANCE (DAN—687)

105. **Beginning Tap.** 2 hrs. Developing an understanding and practice of movement skills basic to tap dance of America. May be repeated twice for a total of six hours.

106. **Beginning Jazz.** 2 hrs. The study and application of the basic skills of jazz dance. May be repeated twice for a total of six hours.

107. **Introduction to Dance.** 3 hrs. The discussion of dance as a world-wide phenomenon in human behavior, its function in human society, with emphasis on the role of dance in present-day America.

150. **Beginning Modern Dance.** 2 hrs. Discussion and practice of movement patterns, improvisation, and studies in modern dance for the non-major. May be repeated twice for a total of six hours.

158. **Modern Dance Techniques and Composition I.** 2-3 hrs. Discussion and practice of movement skills and studies in modern dance for the major. May be repeated for a total of six hours.

250. **Beginning Ballet.** 2 hrs. Discussion and practice of movements in ballet for the non-major. May be repeated twice for a total of six hours.

252. **Ballet Technique I.** 2-3 hrs. Discussion and practice of ballet skills for the dance major. May be repeated for a total of six hours.

253. **Dance Improvisation.** 2 hrs.

254. **Music Analysis and Accompaniment for Dance.** 2 hrs.

258. **Modern Dance Technique and Survey II.** 2-3 hrs. May be repeated for a total of six hours.

259. **Intermediate Dance Composition.** 3 hrs. Exploration of the elements of dance applied to dance choreography.

300. **Choreographic Workshop.** 1-2 hrs. Participation in creative dance and performance activities.

350. **Tap Dance.** 2 hrs. Study of the various styles of tap including rhythm, jazz, and ballet forms. May be repeated twice for a total of six hours.

352. **Ballet Technique II.** 2-3 hrs. Continuation and further enrichment of the technique of ballet at the intermediate level for the dance major. May be repeated for a total of six hours.

353. **Character Dance.** 2 hrs. Introduction to the study of European dance forms as used for theatrical presentations.

354. **Dance Production.** 1 hr. Developing an awareness and application of production skill. May be repeated up to five times.

358. **Dance Technique and Theory III.** 3 hrs. May be repeated for a total of six hours.

359. **Advanced Dance Composition.** 3 hrs.

362. **Labanotation I.** 2 hrs. Introduction to Labanotation. First of a two-semester sequence of instruction.

363. **Labanotation II.** 2 hrs. Continuation of DAN 362.

400. **Dance Theatre Lab.** 1-2 hrs. Studio sessions in special aspects of dance theatre (partnering, point work, classical repertory).

452. **Ballet Technique III.** 3 hrs. Continuation and further enrichment of the technique of ballet for the dance major. May be repeated for a total of six hours.

453. **Advanced Jazz Dance.** 2 hrs. The study and application of the principles of jazz movement. May be repeated twice for a total of six hours.

455. **Dance Repertory.** 1 hr. May be repeated for a total of 8 hours. The study and practice of selected choreographic works for performance.

458. **Dance Technique and Analysis IV.** 3 hrs. May be repeated for a total of nine hours.

462. **Dance History I.** 3 hrs.

463. **Dance History II.** 3 hrs.

464. **Methods of Teaching Dance.** 3 hrs. A study of the philosophy, principles, and objectives of teaching dance. Includes observation and supervised teaching experiences.

465. **Music Resources for Dance.** 2 hrs. Studying and gathering of music resources for dance.

466. **Methods of Dance Lecture and Demonstration.** 3 hrs. Methods of preparing dance lecture-demonstrations and tours.

467. **Dance Curriculum and Organization Methods.** 3 hrs. Study of dance curriculum design and organization.

468. **Musical Theatre Dance.** 2 hrs.

470. **Senior Dance Production.** 3 hrs.

471. **Performance Internship.** 1-9 hrs.

487. **Practicum in Movement.** 1-3 hrs. May be taken for a total of 9 hrs.

492. **Special Problems.** 1-9 hrs. (Students undertaking a Senior Honors Project will enroll in DAN H492.)

499. **British Studies.** 3-6 hrs. Studies in dance and movement sciences abroad (5 weeks).

ECONOMICS (ECO—610)

(Enrollment in courses numbered 300 or above requires at least junior standing.)

200. **Introduction to Economics.** 3 hrs. Not to be counted toward a major or meeting the core requirements of the College of Business Administration. Credit for graduation will not be given for both ECO 200 and 255 or 256. (JC 1113, 2123)

255. **Principles of Economics I.** 3 hrs. An examination of the institutional environment of American capitalism and the determination of the level of national income, employment, prices, and growth. (JC 2113)

256. **Principles of Economics II.** 3 hrs. Prerequisite: ECO 255. An examination of the laws of production and their influence on costs and output. Also, a study of product and factor price determination under varying degrees of competition and an analysis of international trade. (JC 2123)

301. **Elementary Statistics I.** 3 hrs. Prerequisites: MAT 101 and 112. Basic concepts; central tendency and dispersion; probability; Poisson, binomial and normal distributions; hypotheses testing; CHI SQUARE; ANOVA.

302. **Quantitative Analysis for Business.** 3 hrs. Prerequisite: ECO 301. Regression; correlation; forecasting; queuing; inventory control; simulation, and PERT as applied to capacity and production planning; scheduling and quality control.

310. **Economic History of the United States.** 3 hrs. A study of the economic forces that have influenced the development of the United States from its European origins to the present.

330. **Money and Public Policy.** 3 hrs. Prerequisites: ECO 255 and 256. A study of the nature and functions of money, monetary theory, and the political, social, and international context in which economic policy is formulated.

335. **Economics of the Firm.** 3 hrs. Prerequisites: ECO 255 and 256. An intermediate study of the application of economic theory to managerial decision-making.

340. **Price Theory.** 3 hrs. Prerequisites: ECO 255 and 256. An intermediate study of the determination of prices in factor and final product markets.

345. **Income Theory.** 3 hrs. Prerequisites: ECO 255 and 256. An intermediate study of the determination of aggregate income and employment.

401. **Public Finance.** 3 hrs. Prerequisites: ECO 255 and 256. A study of federal and state spending and fund-raising policies within the context of the social goals of the society.

413. **The Economy of Latin America.** 3 hrs. Prerequisites: ECO 255 and 256. Analysis of crucial Latin America economic issues: population, agriculture, industry, and trade.

435. **International Trade Theory.** 3 hrs. Prerequisites: ECO 255 and 256. The pure theory of trade and comparative advantage, free trade versus protection, customs unions, U.S. commercial policy, and trade problems of less-developed nations.

436. **International Monetary Theory.** 3 hrs. Prerequisites: ECO 255 and 256. An analysis of balance-of-payments accounting, foreign exchange markets, balance-of-payments adjustment mechanisms, and international monetary systems.

440. **Economic Development.** 3 hrs. Prerequisites: ECO 255 and 256. Emphasis on the economic tools for analyzing economic development with particular attention to regional growth and change.

450. **Introduction to Econometric Methods.** 3 hrs. Prerequisites: ECO 301 and 302. Specification, estimation, and interpretation of econometric models.

465. **Economics of Labor.** 3 hrs. Prerequisites: ECO 255 and 256. A study of the labor market with special reference to the institutional setting, wage determination, and employment problems in an industrial economy.

470. **Comparative Economic Systems.** 3 hrs. Prerequisites: ECO 255 and 256. A course designed to acquaint the student with the origins, development, and characteristics of fascism, socialism, and capitalism.

480. **Natural Resource Economics.** 3 hrs. Prerequisites: ECO 255 and 256. The economics of renewable and exhaustible natural resources of the earth and its environmental systems as they relate to basic theory and applied policy.

492. **Special Problems.** 3 hrs. Prerequisite: Permission of the department chair. Provides the opportunity to pursue a special research topic or area of interest. (Students undertaking a Senior Honors Project will enroll in ECO H492.)

493. **Contemporary Economic Problems I.** 3 hrs. Prerequisites: ECO 255 and 256. Application of the tools of microeconomics to examine problems such as energy, pollution, income distribution, and market structure.

494. **Contemporary Economic Problems II.** 3 hrs. Prerequisites: ECO 255 and 256. Application of the tools of macroeconomics to examine problems such as inflation, recession, productivity, growth, and macroeconomic policy-making.

498. **International Economics Seminar Abroad.** 3 hrs. Prerequisite: Consent of Program Director. Conducted in London, England: a series of lectures and discussions involving authorities on international economic issues and practices.

499. **International Economics Research Abroad.** 3 hrs. Prerequisite: Consent of Program Director. A research course in international economics required for any student enrolled in ECO 498.

ELECTRONICS ENGINEERING TECHNOLOGY (ELT—398)

\+ 100. **Introduction to Electronics Engineering Technology.** 2 hrs. Overview of electronics engineering technology. Laboratory and shop practice; safety. Soldering and assembly. Printed circuit fabrication.

110. **Network Analysis I.** 4 hrs. Corequisite: MAT 101. Basic electrical concepts and relationships. Use of DC circuit analysis theorems and techniques.

\+ 110-L. **Network Laboratory I.** 1 hr.

111. **Network Analysis II.** 4 hrs. Prerequisite: ELT 110. Corequisite: MAT 133. Impedance and phasor concepts. Use of AC circuit analysis theorems and techniques.

\+ 111-L. **Network Laboratory II.** 1 hr.

120. **Electronic Graphics.** 3 hrs. Drafting principles for orthographic projections; schematics, wiring diagrams, and symbols.

210. **Electronic Devices and Circuits.** 3 hrs. Corequisite: ELT 111. Theory and application of solid state devices; diodes, junction and field-effect transistors, IC fabrication; small signal BJT amplifiers.

\+ 210-L. **Devices and Circuits I Laboratory.** 1 hr.

211. **Electronic Devices and Circuits II.** 3 hrs. Prerequisite: ELT 210. FET amplifiers, small signal models, frequency response, multistage amplifiers.

\+ 211-L. **Devices and Circuits II Laboratory.** 1 hr.

\+ 230. **Electronic Instrumentation.** 3 hrs. Theory of operation and industrial use of common electronic instruments.

\+ 240. **Introduction to Digital Electronics.** 3 hrs. Prerequisite: ELT 210. Theory and application of basic digital logic circuitry.

312. **Linear Integrated Circuits.** 3 hrs. OPAMPS, power amplifiers, voltage regulators, special devices.

315. **Design of High-Frequency Communications Circuits.** 3 hrs. Prerequisite: ELT 211. Design of communication circuits and systems; emphasis on bipolar device circuitry.

\+ 315-L. **Hi-Frequency Communications Laboratory.** 1 hr.

316. **Electronic Communications Systems.** 3 hrs. Prerequisite: ELT 315. Noise, propagation, antennas, AM, FM, pulse systems, Smith charts with applications.

\+ 316-L. **Electronic Communications Systems Laboratory.** 1 hr.

332. **Logic Circuitry I.** 3 hrs. Prerequisite: ELT 240. Logic circuit analysis and design; IC logic families; gates, multiplexers and demultiplexers, encoders and decoders, multivibrators, counters, registers, memories.

\+ 332-L. **Logic Circuitry I Laboratory.** 1 hr.

333. **Logic Circuitry II.** 3 hrs. Prerequisite: ELT 332. Microprocessor architecture and applications; I/O interfaces; memory organization.

\+ 333-L. **Logic Circuitry II Laboratory.** 1 hr.

342. **Electrical Energy Systems.** 3 hrs. Prerequisite: PHY 106. AC and DC motors and generators.

\+ 342-L. **Electrical Machinery Laboratory.** 1 hr.

392. **Special Problems.** 1-3 hrs.

400. **Senior Project.** 3 hrs. Prerequisite: Senior standing and approval of faculty adviser. Project should be in area of student's specialization. (Students undertaking a Seniors Honor Project will enroll in ELT H400.)

401. **Senior Project.** 3 hrs. Continuation of ELT 400. (Students undertaking a Seniors Honor Project will enroll in ELT H401.)

\+ 411. **Electronics for Scientists.** 4 hrs. Prerequisite: PHY 102, 106, or 202. Practical electronics needed for maximum utilization of scientific instrumentation, automation, and logic circuits.

412. **Advanced Network Analysis.** 3 hrs. Prerequisites: ELT 111, MAT 137. Transfer functions; network analysis by La Place transform methods.

\+ 412-L. **Advanced Network Analysis Laboratory.** 1 hr.

432. **Microprocessor Circuits.** 3 hrs. Prerequisite: ELT 333. Microprocessor addressing modes, types, and interfacing with I/O devices.

461. **Electric Power Generation and Distribution.** 3 hrs. Prerequisite: ELT 111. Power generation and distribution, load flow, faults, grids, and layout.

470. **Introduction to Control Systems.** 3 hrs. Prerequisite: ELT 412. General control system theory and application; servomechanisms, operational amplifiers.

\+ 470-L. **Control Systems Laboratory.** 1 hr.

492. **Special Problems.** 1-3 hrs. Prerequisite: Senior standing and approval of faculty adviser. Supervised study in areas not covered by available courses.

ENGLISH (ENG—224)

099. **Developmental English.** 2 hrs. Required of all entering freshmen with an English score of less than 12 on the ACT. Does not satisfy any University core or degree requirement.

099-L. **Developmental English Laboratory.** 1 hr. Required of all students enrolled in ENG 099.

100. **Fundamentals of Composition.** 3 hrs. (May not count toward a major, minor, or core.) Stresses grammar, mechanics, usage, and other basic writing skills. Recommended for those students whose ACT scores in English are 12-16.

101. **Writing One.** 3 hrs. Stresses clear, effective writing with special attention to syntactical and organizational skills. (JC 1113)

102. **Writing Two.** 3 hrs. Prerequisite: English 101. Refines compositional skills and stresses additional rhetorical and research methods. (JC 1123)

200. **Introduction to Drama.** 3 hrs. Covers drama of the western world.

201. **Introduction to Fiction.** 3 hrs. Covers the various types and modes of fiction, both short stories and novels.

202. **Introduction to Poetry.** 3 hrs. Covers major English and American poetry.

203. **World Masterpieces.** 3 hrs. Acquaints students with the great figures and works of Western literature. (JC 2413, 2423)

205. **Introduction to Literature.** Covers the techniques of interpreting all the forms of literature.

206. **The Study of Language.** 3 hrs. Introduction to issues relevant to the understanding of language theory and use.

221. **Fiction Writing I.** 3 hrs. Introduction to fiction writing.

222. **Poetry Writing I.** 3 hrs. Introduction to poetry writing.

299. **Studies in Sherlock Holmes.** 3 hrs. Studies of Holmes and the Victorian world, offered in Britain during the summer term sponsored by the USM Institute of Anglo-American Studies. Not applicable to core literature requirement of English major. Elective only.

300. **Vocabulary Development.** 3 hrs. (May not count toward major, but with permission of the English Department adviser may count toward the minor.) Stresses the improvement of vocabulary.

301. **Traditional Grammar.** 3 hrs. Studies traditional grammar and usage.

319. **Literary Study of the Bible.** 3 hrs. Examines the literary structure, style, and content of the English Bible.

321. **Fiction Writing II.** 3 hrs. Prerequisite: English 221. Stresses the techniques of short fiction writing.

322. **Poetry Writing II.** 3 hrs. Prerequisite: English 222. Stresses the techniques of poetry writing.

332. **Pre-Professional Writing.** 3 hrs. Prerequisite: ENG 101 and ENG 102. Junior standing recommended. Writing, research, and documentation skills needed for professional papers.

333. **Technical Writing.** 3 hrs. Prerequisite: English 101, 102 and junior standing or twelve hours in student's major field. Stresses report writing in student's major field.

334. **Introduction to Research and Term Paper Writing.** 3 hrs. Prerequisite: English 101, 102. Stresses data gathering and documentation in student's major field.

340. **Analysis of Literature.** 3 hrs. Introduces the discipline of literary criticism.

350. **Survey of British Literature I.** 3 hrs. Surveys major British literature from the Old English period to the Romantic period.

351. **Survey of British Literature II.** 3 hrs. Surveys major British literature from Romantic period to the present.

370. **Survey of American Literature I.** 3 hrs. Surveys American literature from its beginnings to the Civil War.

371. **Survey of American Literature II.** 3 hrs. Surveys American literature from the Civil War to the present.

372. **Afro-American Literature.** 3 hrs. Surveys major Black writers and their influences.

379. **Survey of Contemporary Literature.** 3 hrs. Surveys major contemporary writers and their influences. (Required for secondary or middle grade certification.)

401. **Advanced Grammar.** 3 hrs. Introduces structural and transformational grammar. (Required for secondary or middle-grade certification in English.)

403. **Introduction to Linguistics.** 3 hrs. Introduces the principles of descriptive linguistics.

406. **History of the English Language.** 3 hrs. Surveys the development of the English language from Old English to the present. (Required for secondary or middle-grade certification in English.)

408. **Studies in Theoretical Linguistics.** 3 hrs. Topics include syntax, phonology, semantics, lexicology.

409. **Studies in Applied Linguistics.** 3 hrs. Topics include field methods, varieties of English, psycholinguistics, sociolinguistics.

410. **Survey of Readings in World Literature I.** 3 hrs. Examines various Greek, Roman, Medieval, and Renaissance writers.

411. **Survey of Readings in World Literature II.** 3 hrs. Examines various European Enlightenment, Romantic, and Modern writers.

413. **Survey of The Modern Novel.** 3 hrs. Examines major British and Continental novels of the last hundred years.

415. **Modern Poetry.** 3 hrs. This course will acquaint students with the work of the significant modern poets, as well as the modern period's important poetic innovations and movements.

417. **Survey of Modern Drama.** 23 hrs. Studies important British and Continental dramas of the twentieth century.

419. **Studies in World Literature.** 3 hrs. Studies Continental, British, and American writers of the nineteenth and the twentieth centuries. Repeatable to nine hours.

421. **Fiction Writing III.** 3 hrs. Prerequisites: English 221 and 321. Provides an opportunity to develop techniques of fiction writing. Repeatable to nine hours.

422. **Poetry Writing III.** 3 hrs. Prerequisites: English 222 and 322. Provides an opportunity to develop techniques of poetry writing. Repeatable to nine hours.

425. **Readings in the Theory of Fiction.** 3 hrs. Studies theories and forms of contemporary fiction. Repeatable to six hours.

426. **Readings in the Theory of Poetry.** 3 hrs. Studies theories and forms of contemporary poetry. Repeatable to six hours.

433. **Advanced Technical Writing.** 3 hrs. Advanced course in technical writing in which students prepare three or four major assignments related to a single research problem.

440. **Literary Criticism.** 3 hrs. Provides a historical approach to the study of literary criticism from the classicial period to the present. Emphasis will be on major texts and critics.

451. **Chaucer.** 3 hrs. Emphasizes a close reading of **The Canterbury Tales.**

454. **Shakespeare's Comedies and Tragicomedies.** 3 hrs. Studies a selected group of Shakespeare's drama.

455. **Shakespeare's Histories and Tragedies.** 3 hrs. Studies a selected group of Shakespeare's drama.

456. **Survey of Sixteenth-Century English Literature.** 3 hrs. Studies the more important English writers of this period.

457. **Survey of the Development of British Drama to 1642.** 3 hrs. Studies English drama from its beginnings to 1642, exclusive of Shakespeare.

458. **Survey of Seventeenth-Century Prose and Poetry.** 3 hrs. Surveys the period 1600-1660, with emphasis on the "schools" of Donne and Jonson.

459. **Milton.** 3 hrs. Studies the poetry and prose of Milton, with emphasis on the major works.

460. **Survey of British Literature, 1660-1740.** 3 hrs. Surveys British Literature from the Restoration to 1740.

462. **Survey of British Literature, 1740-1798.** 3 hrs. Surveys British Literature from 1740 to 1798.

464. **Survey of the British Novel to 1900.** 3 hrs. Studies the development of British fiction from Richardson through Hardy.

465. **Survey of Nineteenth-Century British Literature: Romantic.** 3 hrs. Surveys poetry and prose of the period 1790 to 1830.

466. **Survey of Nineteenth-Century British Literature: Victorian.** 3 hrs. Surveys poetry and prose of the period 1830 to 1900.

467. **Survey of Twentieth-Century British Literature.** 3 hrs. Studies major twentieth century British writers, emphasizing novelists and dramatists.

469. **Studies in British Literature.** 3 hrs. Examines various topics in British Literature. Repeatable to nine hours.

470. **Survey of the American Literary Renaissance, 1820-1870.** 3 hrs. Examines the writings of Emerson, Thoreau, Hawthorne, Melville, Whitman, and others.

471. **Survey of the Rise of Realism in American Literature, 1870-1920.** 3 hrs. Examines American Literature after the Civil War, focusing on the terms realism and naturalism.

472. **Survey of American Drama.** 3 hrs. Studies American drama from its beginnings to the present, with emphasis on the twentieth century.

477. **Survey of the American Novel 1920 to 1960.** 3 hrs. Studies techniques and historical backgrounds of the major novelists.

485. **Survey of Literature of the South.** 3 hrs. Emphasizes the fiction, poetry, and drama of twentieth-century Southern writers.

489. **Studies in American Literature.** 3 hrs. Studies notable movements, genres, and problems of American literature. Repeatable to nine hours.

490. **Introduction to Composition Theory.** 3 hrs. Discussion of competing theories of teaching composition, analysis of texts and courses that implement these theories, and evaluation of their usefulness in the classroom.

492. **Special Problems.** 1-3 hrs. Prerequisite: Consent of instructor. Provides the opportunity to pursue a special topic or area of interest (Students undertaking a Senior Honors Project will enroll in ENG H492.).

496. **Caribbean Studies.** 3 hrs. Variable content. Lecture series under the auspices of the Center for International Education.

497. **Special Topics in British Studies.** 6 hrs. In depth study in selected topics in British literature. To be taught as part of the USM British Studies Program.

498. **British Studies I.** 6 hrs. A five-week course taught in London, England. Generally offers an intensive study of topics and figures from the beginnings of English literature to 1800.

499. **British Studies II.** 6 hrs. A five-week course taught in London, England. Generally offers an intensive study of topics and figures in English literature from 1800 to the present.

CIS 454. **Methods in English—Secondary.** 3 hrs. Presents methods of teaching language, literature, and composition in secondary schools.

ENVIRONMENTAL DESIGN (EVD—812)

140. **Environmental Design I.** 3 hrs. An introduction to the field of interior design with emphasis on processes and resources of the designer.

221. **Floral Design.** 3 hrs. Fundamentals of floral arrangement and design.

233. **Shelter Components I.** 3 hrs. Prerequisite: EVD 140. A study of the architectural materials for interiors with an emphasis on contemporary shelter requirements.

234. **Shelter Components II.** 3 hrs. Prerequisite: EVD 233. A study of the architectural materials for interiors with an emphasis on furnishings and accessories.

238. **Visual Communications in Interior Design.** 3 hrs. Prerequisites: ART 101, ACT 132, and EVD 140. An introduction to visual communication in interior design with emphasis on orthographic and free-hand drawing and visual design terminology.

240. **Environmental Design II.** 5 hrs. Prerequisites: EVD 140, ACT 132, and ART 101, 111. A studio course for the exploration and application of design methodology to interior environments.

320. **Design Presentation Media.** 5 hrs. Prerequisites: ART 102 and 112 and EVD 238 and 240. The application of various media and techniques for the presentation of interior design concepts.

331. **Textile Design: Fabric Surface Enrichment.** 3 hrs. Prerequisite: EVD 140 and ART 102 and ART 112. Exploration of the basic methods and processes of fabric decoration—screen printing, resist, block, direct, etc.

332. **Fabric Design II.** 3 hrs. Prerequisites: EVD 140 and ART 111. Design by the weaving process.

333. **Textiles for Interiors.** 3 hrs. Prerequisites: EVD 140. A study of the production, properties, and performance of textiles for interiors with emphasis on the selection of textiles for specific environmental applications.

335. **Historic Furniture and Interior Design I.** 3 hrs. Junior or Senior standing. A study of the patterns of historical development and change as revealed in European furniture styles and domestic interiors from the Renaissance through twentieth century.

336. **Historic Furniture and Interior Design II.** 3 hrs. Prerequisite: EVD 335. American furniture styles and interior design.

337. **Housing and House Furnishings.** 3 hrs. Prerequisite: Junior or senior standing. A study of psychological, sociological, economic, and aesthetic aspects of housing and house furnishings.

338. **Interior Design Trade Techniques.** 3 hrs. Prerequisites: EVD 234, 240, 333. A study of information and skills required to select, write specifications, cost, and supervise the construction and/or installation of upholstery, drapery, wall and floor coverings.

340. **Residential Interiors.** 5 hrs. Prerequisites: EVD 234, 320. A studio course in advanced problems in space planning, human factors and the application of design principles.

342. **Practicum.** 3 hrs. Prerequisites: EVD 338, 340. Study made of a specific interior design problem within the community.

440. **Commercial and Institutional Interiors.** 5 hrs. Prerequisite: EVD 340. Design problems involving large scale interiors with emphasis on commerical and institutional projects.

441. **Professional Practices and Procedures.** 3 hrs. Prerequisite: EVD 340. Application of the aspects of business to the interior design profession.

442. **Interior Design Internship.** 4 hrs. Prerequisites: ENG 333, EVD 333, 336, 338, and 440. A practicum for the interior design student in a working-training situation with a professional interior designer. Recommended at conclusion of junior year.

475. **Contemporary Issues Affecting the Quality of Life.** 3 hrs. Prerequisite: Senior Standing. Interdisciplinary problem solving regarding issues of importance in improving the quality of human life.

478. **Seminar in Interior Design.** 1-3 hrs. Prerequisite: Junior or senior standing. An indepth study of special topics to meet current needs. May be repeated for a total of no more than six hours.

492. **Special Problems.** 1-6 hrs. Directed individual study. (Students undertaking a Seniors Honor Project will enroll in EVD H492.)

497. **British Housing and Interiors.** 3-6 hrs. A series of lectures and tours by English authorities on interior design topics.

ENVIRONMENTAL SCIENCE (ESC—335)

105. **Environmental Problems I.** 1 hr. Current calculations encountered in environmental monitoring and environmental impact estimations.

205. **Environmental Problems II.** 1 hr. Intermediate applied calculations relating to environmental monitoring, and environmental impact estimations.

301. **Living in the Environment.** 3 hrs. Physical, biological, social, political, and economic problems associated with current environmental issues.

302. **Environmental Improvement Project.** 3 hrs. Prerequisite: ESC 301. Performing an actual environmental improvement project.

330. **Principles of Environmental Health.** 3 hrs. Environmental factors relating to transmission of communicable disease, chemical, and physical hazards to man.

401. **Water Quality Analysis.** 3 hrs. Prerequisite: CHE 311, MAT 137. Sampling and testing for water quality.

401-L. **Water Quality Laboratory.** 1 hr.

402. **Air Quality Analysis.** 3 hrs. Prerequisite: ESC 401. Air pollution sampling, analysis, and modeling.

402-L. **Air Quality Laboratory.** 1 hr.

403. **Water and Wastewater Treatment.** 3 hrs. Prerequisite: ESC 401, BSC 180. Methods for producing drinking water and treating waste water.

403-L. **Water and Wastewater Treatment Laboratory.** 1 hr.

405. **Environmental Impact Statements.** 3 hrs. Preparation of environmental impact statements.

431. **Industrial Hygiene.** 3 hrs. Detection and control of harmful agents in working environments, such as vapors, gases, mists, radiation, and sound.

431-L. **Industrial Hygiene Laboratory.** 1 hr.

492. **Special Projects.** 1-3 hrs.

FAMILY ECONOMICS AND MANAGEMENT (FEM—825)

150. **Social and Professional Development.** 2 hrs. Designed to assist students in developing competence in social and professional interactions.

201. **Introduction to Home Economics in Business.** 3 hrs. Resources and skills needed by home economists in the world of business and industry.

FAMILY RELATIONS (FAM—830)

151. **Personal Development and Interpersonal Relationships.** 3 hrs. A study of human development through awareness and understanding of peer and family relationships.

351. **Marriage and Family Relations.** 3 hrs. Prerequisite: Junior or senior standing. A study of marriage relationship changes over the family life cycle with an emphasis on choices, adaptability, and emerging family forms.

450. **Sexuality in the Family.** 3 hrs. Research and theory on sexual issues within the context of the family. (Recommended related course HSE 430 Marriage and Human Sexuality.)

451. **Early Marriage Adjustments.** 3 hrs. A study of mate selection, marriage and marital adjustment in the United States. Emphasis on emotional and social needs of the couple and their extended family relationships.

452. **Parenthood.** 3 hrs. Preparation for parenthood. Relationships of parents and children studied, with emphasis on parenting styles and practices. Patterns of home and school interactions discussed.

453. **The Family in Later Life.** 3 hrs. An examination of family kinship patterns in later life; relationships with spouse, adult children, and siblings.

454. **Special Topics in Gerontology.** 1-3 hrs. Study of current issues in the field of aging. Topics will vary. May be repeated with permission of adviser.

475. **Contemporary Issues Affecting the Quality of Life.** 3 hrs. Prerequisite: Senior Standing. Interdisciplinary problem solving regarding issues of importance in improving the quality of human life.

490. **Practicum.** 3-9 hrs. Supervised work experience in a family service agency or similar setting.

345. **Technology in Family Environments.** 3 hrs. Prerequisite: Junior or senior standing or consent of instructor. Selection, use, and arrangement of appliances in family environments such as homes and dependent care centers.

441. **Internship.** 3 hrs. Prerequisite: Senior standing and consent of instructor. Supervised field experiences in a business or industry setting.

442. **Personal and Family Financial Management.** 3 hrs. Study of financial decisions facing individuals and families.

443. **Family Resource Management.** 3 hrs. Prerequisite: FEM 442 or consent of instructor. Application of management principles to the problems of individuals and families.

445. **Socioeconomic Problems of the Family.** 3 hrs. Survey of the interrelationship of social and economic forces impacting families. Prerequisite: HEE 404 or 3 hrs of economics.

475. **Contemporary Issues Affecting the Quality of Life.** 3 hrs. Prerequisite: Senior Standing. Interdisciplinary problem solving regarding issues of importance in improving the quality of human life.

492. **Special Problems in Family Economics and Management.** 1-6 hrs. Consent of adviser. (Students undertaking a Seniors Honor Project will enroll in FEM H492.)

492. **Special Problems in Family Relations.** 1-4 hrs. Prerequisites: FAM 351 and consent of instructor. (Students undertaking a Seniors Honor Project will enroll in FAM H492.)

498. **British Studies Program: Studies in Family Relations.** 3-6 hrs. Current topics, trends, and issues which impact the family. Offered in London, England.

FINANCE (FIN—615)

(Enrollment in courses numbered 300 or above requires at least junior standing.)

220. **Personal Finance.** 3 hrs. A study of the financial problems people encounter in planning and managing their individual financial affairs. Not open to junior and senior majors in the College of Business Administration.

350. **Bank Administration.** 3 hrs. Prerequisites: ECO 330 and FIN 389. A comprehensive survey of the management of bank funds.

352. **Principles of Investments.** 3 hrs. Prerequisite: FIN 389. Introduction to security analysis and portfolio theory.

389. **Business Finance.** 3 hrs. Prerequisites: ACC 202 and ECO 256. Deals with financial management issues. Emphasis is placed on basic tools and methods of the financial managers.

392. **Estate and Business Planning.** 3 hrs. Prerequisite: GBA 295. Introduction to and incorporation of wills, trusts, loans, insurance, buy-sell agreements, etc., into a personal and business planning framework.

400. **Quantitative Analysis in Finance.** 3 hrs. Prerequisites: MIS 290 and ECO 302. Application of quantitative methods for business decision making applied to the COMPUSTAT financial data files.

462. **Security Analysis.** 3 hrs. Prerequisite: FIN 352. A research course designed to examine the international, national, industrial, and corporate effect on expected micro-stock prices.

472. **International Business Finance.** 3 hrs. Prerequisite: FIN 389. Concerned with the short- and long-haul and long-run financial operations and specific cash and capital management problems of multi-national business.

480. **Financial Management.** 3 hrs. Prerequisite: FIN 389. High-level analysis of internal and external financial decision-making issues.

492. **Independent Study.** 3 hrs. Special research assignment designed to meet the needs of the particular student. (Students undertaking a Senior Honors project will enroll in FIN H492.)

498. **International Finance Seminar Abroad.** 3 hrs. Prerequisite: Consent of Program Director. Conducted in London, England: a series of lectures and discussions involving authorities on international financial issues and practices.

499. **International Finance Research Abroad.** 3 hrs. Prerequisite: Consent of Program Director. A research course in international finance required for any student enrolled in FIN 498.

FOOD AND NUTRITION (FN—815)

163. **Food Study.** 3 hrs. Study of effects of food preparation techniques on product development; includes laboratory. (JC 1213, 1242)

167. **Nutrition for Living.** 1 hr. A study of nutrition concepts relating to health and human wellness.

261. **Meal Management.** 3 hrs. Prerequisite: FN 163. Management of resources: time, energy, and money, in selection, purchasing, preparation, and serving of foods; cultural aspects of meal planning. Includes laboratory. (JC 2213)

265. **Orientation to Dietetics.** 1 hr. Study of dietetics and careers in the profession.

362. **Nutrition.** 3 hrs. Study of the body's need for foods, including the chemistry of digestion, metabolism, and nutritive requirements of body during life cycle.

363. **Maternal and Child Nutrition.** 3 hrs. A study of the nutritional requirements and food habits of mothers and their infants and children through adolescence.

364. **Teaching Food and Nutrition in the Elementary Grades.** 3 hrs. Course planned to give understanding of materials and methods for teaching nutrition at this level.

367. **Nutrition in Health Care.** 3 hrs. Study of the science of nutrition and its application for health care providers.

410. **Intermediate Nutrition.** 3 hrs. Prerequisites: CHE 321, FN 362. The study of specific nutrient effects on human metabolism. Metabolic pathways are explored and the roles of specific nutrients in these pathways are discussed.

420. **Nutrition in the Life Cycle.** 3 hrs. Prerequisite: BSC 250, 251; CHE 251; FN 362. Study of the role of nutrition in health, growth, and development at each stage of the life cycle.

420-L. **Nutrition in the Life Cycle Laboratory.** 2 hrs. Corequisite: FN 420 and admission to the Coordinated Program in Dietetics. This applied nutrition course develops skills in interviewing, counseling, and basic assessment of nutritional status of healthly individuals.

430. **Experimental Foods.** 3 hrs. Prerequisites: FN 362 and CHE 251, 251L. Study of selected nutritional, chemical, physical, and sensory properties of foods in relation to preparation procedures. Includes laboratory.

460. **Advanced Nutrition.** 3 hrs. Prerequisites: FN 362, CHE 321, and a course in physiology. Biochemical and physiological interactions among vitamins, carbohydrates, protein, fats and elements in relation to nutritional requirements and utilization.

461. **Clinical Nutrition.** 3 hrs. Prerequisites: FN 362, CHE 321, and a course in physiology. Biochemical and physiological bases for dietary treatment of various disease states.

461-L. **Clinical Nutrition Laboratory.** 2 hrs. Corequisite: FN 461 and admission to the Coordinated Program in Dietetics. Application of dietetics in a hospital setting.

462. **Food Preservation.** 3 hrs. Study of methods and techniques of preserving foods and its storage. Convenience foods studies.

463. **Community Nutrition.** 3 hrs. Prerequisite: Admission to the coordinated program. Study of nutrition assessment methodology and resources available within the community. Includes field experience.

463-L. **Community Nutrition Laboratory.** 2 hrs. Corequisite: FN 463. A laboratory setting to study nutrition assessment methodology and resources available within a community.

464. **Clinical Dietetics.** 4-15 hrs. Permission of instructor required. Prerequisites: FN 410 and 461. Study of disease states and dietary management in clinical settings.

465. **Seminar.** 1 hr. Prerequisites: FN 362 and CHE 321. Selected topics in nutrition. May be repeated for a total of 3 semester hours.

467-L. **Practicum in Dietetics.** 4 hrs. Prerequisites: FN 464 and IAD 477. Application of dietetics in selected health care settings.

475. **Contemporary Issues Affecting the Quality of Life.** 3 hrs. Prerequisite: Senior Standing. Interdisciplinary problem solving regarding issues of importance in improving the quality of human life.

492. **Special Problems in Food and Nutrition.** 1-4 hrs. Prerequisite: Senior standing and permission of the instructor. (Students undertaking a Seniors Honor Project will enroll in FN H492.)

FOOD SCIENCE TECHNOLOGY (FST—396)

101. **Introduction to Food Science.** 3 hrs. Examination of the food industry and its development. A discussion of basic food constituents, and food quality and its measurement.

310. **Food Science I.** 3 hrs. Physical, biochemical, and microbiological properties of important classes of food products as they relate to food processing.

311. **Food Science II.** 3 hrs. Materials and methods applicable to foods industries in regard to additives, packaging, sanitation, and quality control.

350. **Food Processing Technology.** 2 hrs. General characterisitcs of food materials; methods of preservation; processing objectives; packaging; and sanitation.

350-L. **Food Processing Technology Laboratory.** 2 hrs.

351. **Food Processing Technology II.** 2 hrs. Continuation of FST 350.

351-L. **Food Processing Technology II Laboratory.** 2 hrs.

405. **Food Process Engineering.** 3 hrs. Application of chemical engineering principles in food processing.

410. **Food and Drug Laws-Standards and Regulations.** 3 hrs. Federal, state, and city food and drug laws, and how they regulate the food industry.

450. **Food Analysis I.** 2 hrs. Principles and regulation of official chemical, microbiological, and physical methods used in food analysis.

450-L. **Food Analysis I Laboratory.** 2 hrs.

451. **Food Analysis II.** 2 hrs. Continuation of FST 450.

451-L. **Food Analysis II Laboratory.** 2 hrs.

489. **Seminar.** 1 hr. arr. Discussion of current topics in food science and technology.

492. **Special Problems.** 1-3 hrs.

FOREIGN LANGUAGES (FL—228)

100. **Introduction to Foreign Language Learning.** 1 hr. Credit not applicable toward major.

101. **Introduction to Exotic Languages I. 3 hrs.**

102. **Introduction to Exotic Languages II. 3 hrs.**

105. **English as a Foreign Language.** 3 hrs. Credit not applicable toward degree.

331. **Classical Mythology and Religion.** 3 hrs. A survey of Greco-Roman mythology and religion with reference to other mythologies.

381. **Credit for Study Abroad.** 3-9 hrs. Prerequisites: Intermediate knowledge of the language to be studied; prior arrangements for evaluation and receipt of credit. Credit will be granted for systematic study of the language and culture of the language and literature of a foreign area. Study must be under the direction of a recognized teaching institution approved in advance by the Department of Foreign Languages. The department will examine and grade the progress and achievement of the participants in this program before granting credit.

431. **Foreign Language Film.** 1-3 hrs. Prerequisite: Consent of instructor. Study of literary and linguistic aspects of foreign films in a given foreign language.

461. **Methods of Teaching Foreign Languages.** 3 hrs. Prerequisite: Consent of instructor. May be taken for a total of six (6) hours.

462. **Translation.** 3 hrs. Prerequisite: Consent of instructor.

481. **Advanced Credit for Study Abroad.** 3-9 hrs. Arr. Prerequisite: Advanced knowledge of the language to be studied; otherwise same as FL 381. (see FL 381).

492. **Special Problems.** 1-3 hrs. Prerequisite: Consent of instructor. (Students undertaking a Senior Honors Project will enroll in FL H492.)

ARABIC (ARA—247)

101. **Beginning Arabic I.** 3 hrs.

102. **Beginning Arabic II.** 3 hrs. Prerequisite: ARA 101 or equivalent.

CHINESE (CHI—244)

101. **Beginning Chinese I.** 3 hrs.

102. **Beginning Chinese II.** 3 hrs. Prerequisite: CHI 101 or equivalent.

FRENCH (FRE—241)

101. **Beginning French I.** 3 hrs. (JC 1113)

102. **Beginning French II.** 3 hrs. Prerequisite: FRE 101 or equivalent. (JC 1123)

103. **Beginning French Review.** 3 hrs. A systematic review, individualized as necessary, of speaking, understanding, reading and writing French.

200. **Conversation Laboratory.** 1 hr. May be repeated once. Student must be simultaneously enrolled in any 200-level French course.

201. **Intermediate French I.** 3 hrs. Prerequisite: FRE 102 or equivalent. (JC 2113)

202. **Intermediate French II.** 3 hrs. Prerequisite: FRE 201 or equivalent. (JC 2123)

300. **Conversation Laboratory.** 1 hr. May be repeated once. Student must be simultaneously enrolled in any 300-level French course.

305. **French Grammar Review.** 3 hrs. Advanced study of French grammar and stylistics: composition, reading and stylistic analysis.

341. **Introduction to Literature.** 3 hrs. Prerequisite: FRE 212 or equivalent. An introduction to the study of French prose, poetry, drama; techniques of literary analysis; continued study of French language.

381. **Study Abroad.** 3-9 hrs. Prerequisites: Intermediate knowledge of the language to be studied; prior arrangements for evaluation and receipt of credit. Credit will be granted for systematic study of the language and culture of the language and literature of a foreign area. Study must be under the direction of a recognized teaching institution approved in advance by the Department of Foreign Languages. The department will examine and grade the progress and achievement of the participants in this program before granting credit.

400. **Conversation Laboratory.** 1 hr. May be repeated once. Student must be simultaneously enrolled in any 400-level French course.

405. **French Phonology.** 3 hrs. Prerequisite: FRE 305. An introduction to French phonemics and phonetics with intensive practice in the pronunciation of standard and nonstandard French.

406. **Advanced Composition.** 3 hrs. Practice in descriptive, narrative, analytical and research composition, with attention to style vocabulary, and morphology as well as to methods of organization and presentation.

431. **French Film.** 1-3 hrs. Prerequisite: Consent of instructor. Study of literary and linguistic aspects of foreign films in a given foreign language.

435. **Modern France.** 3 hrs. Contemporary French education, social attitudes, politics, urban and rural life.

442. **Survey of Literature I.** 3 hrs. Prerequisite: FRE 341. French literature from the Middle Ages through the 18th century.

443. **Survey of Literature II.** 3 hrs. Prerequisite: FRE 341. French Literature from the 18th century through the mid-20th century.

445. **Twentieth Century French Drama.** 3 hrs. Prerequisite: FRE 341. A survey of twentieth-century French drama including traditional and avantgarde theatre.

446. **French Novel and Short Story.** 3 hrs. Prerequisite: FRE 341. Prose fiction of the 18th, 19th, and 20th centuries, studied in conjunction with films based on the works or thematically related to them.

481. **Study Abroad.** 3-9 hrs. Arr. Prerequisite: Advanced knowledge of the language to be studied; otherwise same as FRE 381. (see FRE 381)

GERMAN (GER—243)

101. **Beginning German I.** 3 hrs. (JC 1313)

102. **Beginning German II.** 3 hrs. Prerequisite: GER 101 or equivalent. (JC 1323)

160. **Applied German.** 1-3 hrs. A study of aspects of German pertinent to a defined area of special interest. Does not substitute for Beginning German I or apply to a major in German.

200. **Conversation Laboratory.** 1 hr. May be repeated once. Student must be simultaneously enrolled in any 200-level German course.

201. **Intermediate German I.** 3 hrs. Prerequisite: GER 101 or equivalent. (JC 2313)

202. **Intermediate German II.** 3 hrs. Prerequisite: GER 102 or equivalent. (JC 2323)

300. **Conversation Laboratory.** 1 hr. May be repeated once. Student must be simultaneously enrolled in any 300-level German course.

305. **Conversation and Composition.** 3 hrs. Prerequisite: GER 202 or equivalent.

331. **German Radio Plays.** 3 hrs. Prerequisites: GER 202 and permission of the instructor. Requires extensive work in the language laboratory.

341. **Reading German.** 3 hrs. Prerequisite: GER 202. An introduction to reading German literature and other documents for comprehension and literary analysis.

342. **Independent Reading.** Corequisites: enrollment in a German course at the 300 or 400 level. Substantial supervised reading from a departmental reading list.

381. **Study Abroad.** 3-9 hrs. Prerequisites: Intermediate knowledge of the language to be studied; prior arrangements for evaluation and receipt of credit. Credit will be granted for systematic study of the language and culture or the language and literature of a foreign area. Study must be under the direction of a recognized teaching institution approved in advance by the Department of Foreign Languages. The department will examine and grade the progress and achievement of the participants in this program before granting credit.

400. **Conversation Laboratory.** 1 hr. May be repeated once. Student must be simultaneously enrolled in any 400-level German course.

405. **German Diction and Phonetics.** 3 hrs. Prerequisite: Permission of instructor.

406. **Advanced Grammar.** 3 hrs. Prerequisite: GER 341. Advanced study of German grammar; reading and stylistic analysis.

431. **German Film.** 3 hrs. Prerequisite: Permission of instructor. Study of literary and linguistic aspects of German film.

435. **Modern Germany.** 3 hrs. Prerequisite: GER 305, 331, or 341. A cultural survey of the German-speaking areas in postwar Europe.

442. **Survey of Literature I.** 3 hrs. Prerequisite: GER 341. A study of German literature during the Age of Goethe, including the storm and stress period, classicism, and early Romanticism.

443. **Survey of Literature II.** 3 hrs. Prerequisite: GER 341. A study of German literature from the post-Goethe nineteenth century to the present.

445. **Modern Drama.** 3 hrs. Prerequisite: GER 341. A study of German dramatic works representative of historially important movements and relevant human problems of the nineteenth and twentieth centuries.

446. **The German Novelle.** Prerequisite: GER 341. A study of important Novellen representative of literary currents in the nineteenth and twentieth centuries, and an examination of literary theory relevant to the genre.

481. **Study Abroad.** 3-9 hrs. Prerequisites: Advanced knowledge of the language to be studied; otherwise same as GER 381. (see GER 381).

482. **Austrian Studies.** 3-6 hrs. Prerequisite: GER 202 or consent of instructor. Literature and Culture. An intensive course supplemented by sight-seeing excursions and theatre attendances. Conducted in German. Offered summers in Vienna by the USM Austrian Studies Program.

GREEK (GRK—249)

101. **Beginning Greek I.** 3 hrs.

102. **Beginning Greek II.** 3 hrs. Prerequisite: GRK 101 or equivalent.

401. **Advanced Greek I.** 3 hrs. Prerequisite: GRK 102 or equivalent.

402. **Advanced Greek II.** 3 hrs. Prerequisite: GRK 401 or equivalent.

445. **Readings in Greek Literature.** Prerequisite: GRK 402 or equivalent. May be taken for a total of nine hours if topics vary.

ITALIAN (ITA—246)

101. **Beginning Italian I.** 3 hrs.

102. **Beginning Italian II.** 3 hrs. Prerequisite: ITA 101 or equivalent.

160. **Applied Italian.** 3 hrs. The course will provide personal linguistic and cultural immersion in real situations. Offered summers in Italy by the USM Italian Cultural Studies Program.

201. **Intermediate Italian I.** 3 hrs. Prerequisite: ITA 102 or equivalent.

202. **Intermediate Italian II.** 3 hrs. Prerequisite: ITA 201 or equivalent.

JAPANESE (JPN—245)

101. **Beginning Japanese I.** 3 hrs.

102. **Beginning Japanese II.** 3 hrs. Prerequisite: JPN 101 or equivalent.

LATIN (LAT—242)

101. **Beginning Latin I.** 3 hrs.

102. **Beginning Latin II.** 3 hrs. Prerequisite: LAT 101 or equivalent.

201. **Intermediate Latin I** 3 hrs. Prerequisite: LAT 102 or equivalent. (JC 2413)

202. **Intermediate Latin II.** 3 hrs. Prerequisite: LAT 201 or equivalent. (JC 2423)

445. **Readings in Latin Literature.** 3 hrs. Prerequisite: LAT 101 or equivalent. May be taken for a total of nine hours if topics vary.

RUSSIAN (RUS—248)

101. **Beginning Russian I.** 3 hrs.

102. **Beginning Russian II.** 3 hrs. Prerequisite: RUS 101 or equivalent.

201. **Intermediate Russian I.** 3 hrs. Prerequisite: RUS 102 or equivalent.

202. **Intermediate Russian II.** 3 hrs. Prerequisite: RUS 201 or equivalent.

305. **Conversation and Composition.** 3 hrs. Prerequisite: RUS 202.

341. **Reading Russian.** 3 hrs. Prerequisite: RUS 202.

SPANISH (SPA—240)

101. **Beginning Spanish I.** 3 hrs. (JC 1213)

102. **Beginning Spanish II.** 3 hrs. Prerequisite: SPA 101 or equivalent.

200. **Conversation Laboratory.** 1 hr. May be repeated once. Student must be simultaneously enrolled in any 200-level Spanish course.

201. **Intermediate Spanish I.** 3 hrs. Prerequisite: SPA 102 or equivalent. (JC 2213)

202. **Intermediate Spanish II.** 3 hrs. Prerequisite: SPA 201 or equivalent. (JC 2223)

300. **Conversation Laboratory.** 1 hr. May be repeated once. Student must be simultaneously enrolled in any 300-level Spanish course.

305. **Spanish Reading and Composition.** 3 hrs. Prerequisite: SPA 202. Reading in the contemporary short story, discussion of literary techniques, composition, grammar review.

341. **Introduction to Spanish Literature.** 3 hrs. Prerequisite: SPA 202 or equivalent. Introduction to genres, literary structure, terms, methods of critical analysis and approaches to the reading and study of Spanish literature.

361. **Commercial Spanish I.** 3 hrs. Prerequisite: SPA 202 or equivalent.

362. **Commercial Spanish II.** 3 hrs. Prerequisite: SPA 202 or equivalent.

381. **Study Abroad.** 3-9 hrs. Prerequisites: Intermediate knowledge of the language to be studied; prior arrangements for evaluation and receipt of credit. Credit will be granted for systematic study of the language and culture of the language and literature of a foreign area. Study must be under the direction of a recognized teaching institution approved in advance by the Department of Foreign Languages. The department will examine and grade the progress and achievement of the participants in this program before granting credit.

400. **Conversation Laboratory.** 1 hr. May be repeated once. Student must be simultaneously enrolled in any 400-level Spanish course.

405. **Advanced Conversation and Phonetics.** 3 hrs.

406. **Advanced Composition and Grammar.** 3 hrs. Review of basic grammar, progressing to more sophisticated aspects; idiom study; composition.

435. **Spanish Culture and Civilization.** 3 hrs. Prerequisite: SPA 202. A chronological survey of Spanish history and culture from Celt-Iberian times to the present.

436. **Latin American Culture and Civilization.** 3 hrs. A chronological survey of Hispanic civilization and institutions.

442. **Survey of Peninsular Literature I.** 3 hrs. Prerequisite: SPA 305. The literature of Spain from the Medieval period through the Golden Age.

443. **Survey of Peninsular Literature II.** 3 hrs. Prerequisite: SPA 305. The literature of Spain in the nineteenth and twentieth centuries.

446. **Don Quijote.** 3 hrs. Prerequisite: SPA 305. A study of the Cervantes novel, of its historical and literary background, and of the principal critical materials.

452. **Survey of Latin American Literature.** 3 hrs. Prerequisite: SPA 341. The literature of Latin America from the Colonial period through the nineteenth century.

454. **Contemporary Latin American Literature.** 3 hrs. Prerequisite: SPA 341. A survey of fiction, poetry, and drama in the twentieth century.

481. **Study Abroad.** 3-9 hrs. Prerequisites: Advanced knowledge of the language to be studied; otherwise same as SPA 381. (see SPA 381).

FORENSIC SCIENCE (FSC—375)

340. **Criminalistics.** 3 hrs. An introductory study of the techniques employed in forensic laboratories.

340-L. **Criminalistics Laboratory.** 1 hr.

341. **Forensic Science.** 3 hrs. Blood, hair, and other biological products as physical evidence.

341-L. **Forensic Science Laboratory.** 1 hr.

430. **Survey of Forensic Toxicology.** 3 hrs. Toxicology as applied to forensic investigations.

440. **Drug Identification.** 3 hrs. Lectures, demonstrations and discussions covering all aspects of drug identification, emphasizing those relating to law enforcement, are presented.

442. **Arson and Explosives.** 3 hrs. Introduction to the investigation of arson and bombings.

442-L. **Arson and Explosives Laboratory.** 1 hr.

491. **Special Projects in Forensic Science.** 2 hrs. Individual studies in forensic science principles.

491-L. **Laboratory for Forensic Science 491.** 2 hrs. Hands-on experience with true forensic science situations.

FUNDAMENTALS OF SCIENCE (FS—390)

Fundamentals of Science: Two courses in general physical science and two courses in general biological science of three semester hours credit for each. These courses are designed to give the non-science major an acquaintance and understanding of certain fundamental principles of the major science disciplines.

The FS 131 series are laboratory courses designed to meet core requirements for elementary education and special education majors. Laboratory (1 hr.) must be taken concurrently with lecture (3 hrs.).

Inasmuch as there is overlapping and duplication in these courses and those offered by other science departments of this and other institutions, the student should check carefully with his adviser and/or the Department of Science Education prior to enrolling in these courses.

104. **Physical Science I.** 3 hrs. A study of matter and energy in the universe; the forces acting within the universe; and the laws governing these phenomena. (JC 2213)

105. **Physical Science II.** 3 hrs. The study of elementary and compound substances; the arrangement of forces acting on these substances in the universe. (JC 2223)

106. **Biological Science I.** 3 hrs. Studies in the general life science with emphasis on the systems of Man. (JC 1113)

107. **Biological Science II.** 3 hrs. Studies of the diversity of life in plants and animals. (JC 1123)

131. **General Physical Science I.** 3 hrs. Prerequisite: Elementary Education major. Study of the interaction of matter and energy.

\+ 131-L. **Laboratory for General Physical Science I.** 1 hr. A laboratory designed to accompany FS 131. Concurrent registration in FS 131 is required.

132. **General Physical Science II.** 3 hrs. Prerequisites: Elementary Education major. Study of the interaction of matter and energy.

+ 132-L. **Laboratory for General Physical Science II.** 1 hr. A laboratory designed to accompany FS 132. Concurrent registration in FS 132 is required.

133. **General Biological Science I.** 3 hrs. Prerequisite: Elementary Education major. A study of the basic patterns of life and a modern system of classifying organisms.

+ 133-L. **Laboratory for General Biological Science I.** 1 hr. A laboratory designed to accompany FS 133. Concurrent registration in FS 133 is required.

134. **General Biological Science II.** 3 hrs. Prerequisites: Elementary Education major. A study of interaction between organisms with their environment.

+ 134-L. **Laboratory for General Biological Science II.** 1 hr. A laboratory designed to accompany FS 134. Concurrent registration in FS 134 is required.

GENERAL STUDIES (GS—010)

100. **Orientation.** 1 hr.

101. **Introduction to College.** 2 hrs. GS 101 is an introduction to higher education, the University structure, policies, procedures, and resources. Course includes learning skills, decision-making skills, and personal development to facilitate student success.

GENERAL BUSINESS ADMINISTRATION (GBA—616)

(Enrollment in courses numbered 300 or above requires at least junior standing.)

100. **Introduction to Business.** 3 hrs. An introductory course to practically all phases of the business world. Not open to juniors and seniors enrolled in the College of Business Administration. (JC 1113)

295. **The Legal Environment of Business.** 3 hrs. A study of the interrelationship of law and society and the impact of jurisprudence upon business activity. (JC 2413)

311. **Advanced Business Law.** 3 hrs. Prerequisite: GBA 295. A detailed emphasis on selected legal topics particularly related to business activity.

375. **Managerial Communications.** 3 hrs. Effective principles and practices of written communications and their functional translations in terms of audience evaluation.

472. **International Business.** 3 hrs. Prerequisite: FIN 472. A survey of the various elements of international business including a field project related to exporting and importing.

498. **International Business Seminar Abroad.** 3-6 hrs. May be repeated for total of six hours. Prerequisite: Consent of Program Director. Conducted in various locations abroad: a series of lectures and discussions involving authorities on international business issues and practices.

GEOGRAPHY AND AREA DEVELOPMENT (GHY—268)

101. **World Regional Geography.** 3 hrs. Introduction to world regional geography with emphasis on man's relation to the land. (JC 1113)

102. **Introduction to Geography.** 3 hrs. Introduction to the basic elements and concepts of geography. (JC 1123)

210. **Maps and Maps Interpretation.** 3 hrs. Introduction to the role of maps and remotely sensed images in society in the Age of Information. Covers history, philosophy, interpretation, and use of maps.

310. **Principles of Cartography.** 2 hrs. Theory of design and construction of maps from compilation through reproduction: projections design and symbols. Concurrent registration in GHY 310L required.

310-L. **Principles of Cartography Laboratory.** 2 hrs. Techniques of map construction. Concurrent registration in GHY 310 required.

323. **Weather and Climate.** 3 hrs. Survey of elements of weather and climate; emphasis on processes, distribution patterns, and impact on man.

324. **Geography of Landforms.** 3 hrs. Study of structure, process, and stage of geometric configurations of earth's land surface and influences exerted on human activity.

325. **Applied Physical Geography.** 3 hrs. An overview of climate, water, soils and their roles in the development of the landscape.

325-L. **Applied Physical Geography Laboratory.** 1 hr. Pre- or Corequisite: GHY 325. Analysis of physical geographic data, maps, and charts. Field trips may be required.

331. **Cultural Systems in the Environment.** 3 hrs. Geographical analysis of man's interaction with environment through time; considers spatial significance and distribution of various cultural elements.

341. **World Political Geography.** 3 hrs. Geographic approach to patterns of power and conflict among nations. Consideration of strategic areas, disputed zones, and regional blocs.

350. **Introduction to Economic Geography.** 3 hrs. Principles of economic geography as developed through regional studies of characteristics and areal associations of economic phenomena.

362. **Urban Geography.** 3 hrs. Review of urban development, processes contributing to development, and effect these processes have on cities.

370. **Conservation of Natural Resources.** 3 hrs. An analysis of basic principles and problems associated with the use, misuse, and conservation of natural resources.

400. **Geography of Mississippi.** 3 hrs. Survey of physical, economic, and historical geography of the state; emphasis on man-environment relations and problems.

401. **Geography of the United States and Canada.** 3 hrs. A geographical analysis of the physical and human characteristics of the region.

402. **Geography of Middle America and the Caribbean.** 3 hrs. A geographical analysis of the physical and human characteristics of the region.

403. **Geography of South America.** 3 hrs. A geographical analysis of the physical and human characteristics of the region.

404. **Geography of Europe.** 3 hrs. A geographical analysis of the physical and human characteristics of the region.

405. **Geography of the Soviet Union.** 3 hrs. A geographical analysis of the physical and human characteristics of the region.

406. **Geography of Africa.** 3 hrs. A geographical analysis of the physical and human characteristics of the region.

407. **Geography of East and South Asia.** 3 hrs. A geographical analysis of the physical and human characteristics of the region.

408. **Geography of Southwest Asia.** 3 hrs. A geographical analysis of the physical and human characteristics of the region.

410. **Advanced Cartography.** 2 hrs. Prerequisite: GHY 310. Corequisite: GHY 410-L. Map projections, geodesy, quantitative symbolization, color separation, reproduction.

410-L. **Advanced Cartography Laboratory.** 2 hrs. Co-requisite: GHY 410. Advanced map design, scribing, and reproduction laboratory.

411. **Aerial Photography Interpretation.** 2 hrs. Interpretation and application of aerial photographs and other remote sensing images for geographic, environmental, and planning purposes.

411-L. **Aerial Photography Interpretation Laboratory.** 1 hr. Corequisite: GHY 411. Systematic treatment of elements and steps involved in interpreting, measuring, and mapping of images appearing on aerial photographs.

412. **Remote Sensing of the Environment.** 2 hrs. Prerequisite: GHY 411 or permission of instructor. Theory of acquisition processing, and analysis of remotely sensed data and images, and survey of environment applications of remote sensing.

412-L. **Remote Sensing Laboratory.** 1 hr. Corequisite: GHY 412. Processing and analysis of data and images collected by remote sensing methods.

413. **Field Methods.** 3 hrs. Basic methods used to classify, analyze, and report field-gathered data in geography and planning.

415. **Quantitative Methods in Spatial Analysis.** 3 hrs. A basic course in statistical and other quantative techniques applied to problems of spatial analysis. (Completion of MAT 101 is recommended.)

416. **Computer Applications in Geography.** 2 hrs. Prerequisite: Experience using nonprocedural computer languages. Corequisite: GHY 416-L. Concepts and applications of computerized geographic mapping, information, simulation, and analytic systems.

416-L. **Computer Applications in Geography Laboratory.** 1 hr. Corequisite: GHY 416. Operation of computerized geographic information, simulation, and analytic systems. Uses non-procedural techniques.

417. **Geographic Information System Design.** 2 hrs. Prerequisite: FORTRAN or Pascal. Theory, design, and application of geographic data handling and analysis systems.

417-L. **Geographic Information System Design Laboratory.** 2 hrs. Pre- or Corequisite: GHY 417. Design and programming of geographic data handling and analysis systems using the Ada programming language.

422. **Geography of Soils.** 3 hrs. Study of formulation, distribution, and use of soils; emphasis on soils of south Mississippi; fieldwork and laboratory analysis.

425. **Applied Climatology.** 3 hrs. Study of climatological aspects of atmospheric pollution; includes chemical, medical, legal, economic, and community-planning dimensions of air pollution.

427. **Meteorology.** 3 hrs. Study of the temporal and areal variations in composition, structure, and working of the atmosphere. Practice in use of instruments and measurements.

428. **Severe Storms.** 3 hrs. An examination of the causes, characteristics and destructive nature of severe weather.

432. **Environmental Perception.** 3 hrs. An analysis of man's perception of his cultural-social environment; considers both the physical and man-made landscape.

435. **Historical Geography of the American Landscape.** 3 hrs. Study of evolution of cultural landscapes of the area now comprising the United States; emphasis on processes of change.

440. **Population and Human Resources.** 3 hrs. A geographical analysis of the biological and cultural characteristics of population.

451. **Industrial Location Analysis.** 3 hrs. Principles of industrial location analysis; emphasis on theory, locational decision making, and regional location of manufacturing.

453. **Transportation and Land Use.** 3 hrs. Study of the various transportation modes and the effect they have on contemporary development problems.

473. **Water Resources.** 3 hrs. Study of hydrologic processes and their application to needs of cities, industry, agriculture, and recreation.

474. **Watershed Management.** 3 hrs. Investigation of watersheds as planning and management units; emphasis on relationship of water to other resources. Game theory used.

489. **Caribbean Studies.** 3 hrs. Variable content. Lecture series, field exercises, and reseach offered abroad under the auspices of the Center for International Education.

491. **Geography Internship.** 3-9 hrs. May be repeated for a total of nine hours.

492. **Special Problems.** 1-3 hrs. May be repeated for a total of six hours. (Students undertaking a Seniors Honor Project will enroll in GHY H492.)

493. **Internship in Cartography.** 1-6 hrs. Prerequisite: Permission of Instructor.

494. **Prolaboratory in Cartography.** 1-3 hrs. Prerequisite: Permission of Instructor. Preparation and presentation of a professional cartographic or remote sensing project. May be repeated with change of content for a total of six (6) hours of credit.

499. **British Studies.** 3-6 hrs.

GEOLOGY (GLY—340)

101. **Physical Geology.** 3 hrs. An introductory course emphasizing the origin and nature of earth materials and processes affecting the earth's surface and interior. (JC 1113)

\+ 101-L. **Physical Geology Laboratory.** 1 hr. Pre- or Corequisite: GLY 101. An elementary study of rocks, minerals, and maps. (JC 1111)

103. **Historical Geology.** 3 hrs. Prerequisite: GLY 101. A study of earth history as revealed in the character and fossil content of rocks. (JC 1123)

\+ 103-L. **Historical Geology Laboratory.** 1 hr. Pre- or Corequisite: GLY 103. Introduction to the study of fossils and interpretation of geologic maps. (JC 1121)

151. **Introduction to Ocean Science.** 3 hrs. Survey of the physical, chemical, geological, and biological features of the ocean.

+ 151-L. **Introduction to Ocean Science Laboratory.** 1 hr. Pre- or Corequisite: GLY 151. Elementary exercises for interpreting oceanographic data and samples.

301. **Mineralogy.** 3 hrs. Prerequisites: GLY 101, 101-L, CHE 102, two semesters of college physics. Pre- or Corequisite: GLY 103, 103-L. Elements of crystallography, silicate structure, and determinative mineralogy.

+ 301-L. **Mineralogy Laboratory.** 1 hr. Must be taken concurrently with GLY 301.

304. **Petrology.** 3 hrs. Prerequisites: GLY 301, 301-L, MAT 167. Principles of rock genesis, classification, and recognition.

+ 304-L. **Petrology Laboratory.** 1 hr. Must be taken concurrently with GLY 304.

306. **Environmental Geology.** 3 hrs. The nature of geological hazards and man's impact on the environment.

308. **Structural Geology.** 3 hrs. Pre- or Corequisite: GLY 301. Principles of rock deformation.

+ 308-L. **Structural Geology Laboratory.** 1 hr. Must be taken concurrently with GLY 308.

310. **Geomorphology.** 2 hrs. Prerequisites: GLY 101, 101-L; MAT 103 or equivalent; CHE 102; two semesters of college physics. Study of geologic processes involved in landscape development.

+ 310-L. **Geomorphology Laboratory.** 1 hr. Must be taken concurrently with GLY 310.

311. **Field Geology.** 6 hrs. Prerequisites: GLY 380 or permission of instructor. Preparation of stratigraphic and structure sections, use of Brunton compass, and geologic map preparation in the field.

341. **Invertebrate Paleontology.** 3 hrs. Prerequisites: GLY 103, 103-L, BSC 110 or equivalent, or permission of instructor. Taxonomy, morphological features, and geologic distribution of invertebrate fossils.

+ 341-L. **Invertebrate Paleontology Laboratory.** 1 hr. Must be taken concurrently with GLY 341.

380. **Introduction to Geological Field Work.** 2 hrs. Prerequisite: GLY 308. Pre- or Corequisites: GLY 304, 341, and 401 or 405. Practice in use of Brunton compass, geological map-making, recording field data, and keeping field notes.

401. **Principles of Stratigraphy.** 3 hrs. Prerequisites: GLY 301, 308, 341, or permission of instructor. A study of the character and distribution of sedimentary rock units in space and time.

403. **Optical Mineralogy.** 3 hrs. Pre- or Corequisite: GLY 304. Introduction to optical mineralogy, and thin section study of rocks using polarizing microscope.

+ 403-L. **Optical Mineralogy Laboratory.** 1 hr. Must be taken concurrently with GLY 403.

404. **Coal Petrology.** 2 hrs. Prerequisites: GLY 304 or permission of instructor; BSC 210 and CHE 251 recommended. A study of origin, coalification and maceral composition of coal and the application to problems of paleobotany, oil and gas prospecting and fuel technology.

+ 404-L. **Coal Petrology Laboratory.** 1 hr. Must be taken concurrently with GLY 404.

405. **Sedimentology.** 3 hrs. Prerequisite: GLY 304. Origin of sedimentary particles, sedimentary structures and classification of sedimentary rocks.

+ 405-L. **Sedimentology Laboratory.** 1 hr. Must be taken concurrently with GLY 405.

409. **Carbonate Sediments.** 3 hrs. Prerequisite: GLY 405. Comprehensive treatment of limestone sedimentology and petrology.

409-L. **Carbonate Sediments Laboratory.** 1 hr. Pre- or Corequisite: GLY 304.

410. **Elements of Geochemistry.** 3 hrs. Prerequisite: GLY 304. Chemical principles governing the formation of minerals and rocks and their reactions with the lithosphere, hydrosphere, atmosphere, and biosphere.

420. **Applied Geophysics I.** 2 hrs. Prerequisites: GLY 308, MAT 168, PHY 106 or consent of instructor. Introduction to seismic methods used in hydrocarbon and mineral exploration.

420-L. **Applied Geophysics I Laboratory.** Corequisite: GLY 420. Introductory exercises in seismic computation and interpretation.

421. **Applied Geophysics II.** 2 hrs. Prerequisites: GLY 308, MAT 168, PHY 106 or consent of instructor. Introduction to gravity, magnetic, and electrical methods used in hydrocarbon and mineral exploration.

421-L. **Applied Geophysics II Laboratory.** 1 hr. Corequisite: GLY 421. Introductory exercises in computation and interpretation of gravity, magnetic, and electrical fields.

422. **Geophysical Well-Logging.** 2 hrs. Prerequisites: GLY 101, MAT 103, PHY 106. Pre- or Corequisite: GLY 405. Principles of obtaining data from bore hole instruments, and geological interpretation of data.

422-L. **Geophysical Well-Logging Laboratory.** 1 hr. Must be taken concurrently with GLY 422.

430. **Principles of Geology for Science Teachers.** 3 hrs. Prerequisite: Permission of instructor. Principles of physical and historical geology for teachers. Not applicable to geology degree.

431. **Coastal Marine Geology.** 3 hrs. Gulf Coast Research Laboratory. Prerequisite: 6 sem. hrs. in geology. Inshore and nearshore geological processes, sedimentation patterns, and landforms.

443. **Calcaneous Micropaleontology.** 3 hrs. Prerequisite: GLY 341. Taxonomy, morphology, and stratigraphic use of microfossils.

443-L. **Calcaneous Micropaleontology Laboratory.** 1 hr. Must be taken concurrently with GLY 443.

444. **Siliceous Micropaleontology.** 3 hrs. Prerequisite: GLY 341. Taxonomy, morphology, and stratigraphic use of siliceous and organic-walled microfossils.

444-L. **Siliceous Micropaleontology Laboratory.** 1 hr. Must be taken concurrently with GLY 444.

450. **Geological Marine Science.** (Same as Marine Science 481) 3 hrs. Pre- or Corequisite: GLY 405, or consent of instructor. Study of the formation and deformation of the oceanic crust and the distribution and character of marine sediments.

450-L. **Geological Marine Science Laboratory** (Same as Marine Science 481-L). 1 hr. Corequisite: GLY 450.

451. **Advanced Field Geology.** 6 hrs. Prerequisite: GLY 311. Supervised detailed individual mapping project.

465. **Engineering Geology.** 3 hrs. Prerequisite: GLY 308 or permission of instructor. The integration of geologic and engineering principles and their application in the evaluation and utilization of Earth resources and the mitigation of natural and human-induced hazards.

470. **Petroleum Geology.** 3 hrs. Pre- or Corequisite: GLY 401 or permission of instructor. The origin, occurrence, and accumulation of oil and natural gas.

474. **Geological Excursion.** 1 hr. Field studies of geological phenomena in areas remote from the campus, by means of 8 to 10 day field trips during scheduled breaks.

476. **Hydrology.** 3 hrs. Pre- or Corequisite: GLY 401 or permission of instrutor. An introduction to the origin, distribution, movement and properties of the waters of the earth.

487. **Industrial Rocks and Minerals.** 3 hrs. Prerequisite: Permission of instructor. Nature and formation of industrial rock and mineral deposits.

488. **Ore Deposits.** 3 hrs. Prerequisites: GLY 304, 410. Nature and formation of metallic mineral concentrations.

492. **Special Problems in Geology I, II, III.** 1-3 hrs. Prerequisites: Senior standing and permission of the chairman. Independent study or research.

HEALTH AND SAFETY EDUCATION (HSE—715)

101. **Personal Wellness.** 3 hrs. An examination of the relationships of various life-style components to various levels of wellness. (JC 1213)

210. **Introduction to Health Education.** 3 hrs. A study of the health education profession, specialties, manpower, and philosophies.

310. **First Aid.** 2 hrs. Standard First Aid as approved by the American Red Cross.

311. **Emergency Health Care.** 3 hrs. Prerequisite: Classification as a Junior or Senior. Standard First Aid plus advanced study certifying personnel to conduct first aid courses in school and community. (School of HPER Core)

311L. **Emergency Health Care Laboratory.** 1 hr. To be taken concurrently with HSE 311.

321. **Community Health.** 3 hrs. Community control of environmental health hazards and diseases; health agencies.

341. **Safety.** 3 hrs. Accident problems, safety programs, and methods of prevention.

342. **Education for Safe Living.** 3 hrs. Curriculum development, community resources, and audiovisual materials for teaching safety.

408. **Health Education Methods.** 3 hrs. A survey of teaching methods that are appropriate for health education program delivery.

409. **Community Health Education Planning.** 3 hrs. Diagnostic phases preceding program development, skills in planning, organization, and implementation of health education programs in the community.

410. **School Health Education Planning.** 3 hrs. Diagnostic phases preceding program development, skills in planning, organization, and implementation of school health education programs.

411. **Health Education Curriculum for Secondary Schools.** 3 hrs. Varieties of curriculum organization, scope and sequence, survey of educational content, facilities and equipment.

412. **Measurement and Evaluation in Health Education.** 3 hrs. A survey of evaluation instruments for appraising and interpreting health data.

414. **Consumer Health.** 3 hrs. Prerequisites: HSE 410, 412. A survey of consumer problems related to health misconceptions, choosing health services, medical quackery, and advertising of health products.

415. **School Health Program.** 3 hrs. Prerequisites: HSE 410, 412. Organization and operation of school health programs with emphasis on policies, procedures, problems, and field work.

420. **Communicable and Chronic Disease in Man.** 3 hrs. Prerequisites: HSE 410, 412. Problems, control, and prevention of communicable and chronic disease in modern society.

421. **Sanitation.** 3 hrs. Prerequisites: HSE 410, 412. Sanitation in the home and school, in food production, water supply, waste, and excreta disposal.

422. **Drugs and the Whole Person.** 3 hrs. Prerequisite: HSE 101, 410, 412 or permission of instructor. Psychosocial, medical, legal, and health aspects of drugs and their abuse.

423. **Curriculum Development in Alcohol Education.** 3 hrs. Prerequisites: HSE 410, 412. An analysis of alcoholism, instructional approaches, and community resources for teaching alcohol misuse and abuse.

425. **Health Administration.** 3 hrs. An introduction to health program administration including organization, financing, delivery systems, and manpower development.

426. **Health Education Concerns in Special Populations.** 3 hrs. Health education concerns of special risk group such as the elderly, the poor and minority groups.

427. **Health Policy.** 3 hrs. The role of the health educator in the development of public health policy, influencing social policy, and planning for social change.

430. **Marriage and Human Sexuality.** 3 hrs. Physical, emotional, and medical bases for successful courtship, marriage, and parenthood.

431. **Sexuality Education.** 3 hrs. Prerequisites: HSE 410, 412. Theory, methods, materials for planning, organizing, and implementing sexuality in school and community settings.

432. **Introduction to Epidemiology.** 3 hrs. Concepts and methods of epidemiology as applied to a variety of health related problems.

435. **Mental Health Education.** 3 hrs. A survey of the content and teaching strategies for mental health education.

436. **Stress Management: Concepts and Strategies for Health Education.** 3 hrs. Prerequisites: HSE 410, 412. To acquaint students with educational content related to stress management and with educational strategies for teaching about stress management.

437. **Health Education in Clinical Settings.** 3 hrs. Analysis of the role, methods, and technology of health education pertaining to health care clinics and patient education.

438. **Workplace Health Promotion.** 3 hrs. Study of health education theory and practice as applied to occupational health.

440. **Introduction to Driver Education.** 3 hrs. Critical analysis of traffic accidents, attitude factors, essential knowledge of automobile operation and traffic law.

441. **Traffic Safety Education.** 3 hrs. An in-depth study of the major problems in traffic safety, including driver, pedestrian, engineering, and enforcement.

442. **Laboratory Programs in Driver Education.** 3 hrs. An examination of the aims, objectives, and role of laboratory programs in driver education.

443. **Methods of Driver and Traffic Safety Education.** 3 hrs. Prerequisite: HSE 440. Methods and techniques to develop competence in transferring knowledge and skills.

444. **Simulation in Driver Education.** 3 hrs. Prerequisites: HSE 440 and HSE 443. An audiovisual instructional method designed to complement and supplement other instructional techniques.

445. **Driver Education Laboratory.** 1 hr. This course is designed to provide students who are enrolled in HSE 443 with supervised teaching experience.

446. **Innovative Programs of Driver Education.** 3 hrs. New and unique teaching methods of driver and traffic safety education.

450. **Health Peer Program.** 3 hrs. Open only to resident assistants. This course develops skills dealing with various health problems encountered in a dormitory.

488. **Motorcycle Safety Education.** 3 hrs. Analysis of the motorcycle traffic problem; methods of teaching classroom and laboratory phases of motorcycle education.

489. **Driver Education for Special Students.** 3 hrs. Curriculum development and teaching materials in traffic safety education for special education students.

490. **Special Topics in School Health Curriculum Development.** 3 hrs. A comprehensive study of methodology and curriculum development in a selected health science topical area. May be repeated for up to nine hours as long as the topic is different.

492. **Special Problems.** 3 hrs. A student originated problem, research plan, and reporting of results, with guidance of a chosen adviser.

493. **Practicum.** 6 hrs. Available to health education majors only. Practical experience in the delivery of health education programs.

499. **British Studies.** 3-6 hrs. Involves variable topics. Lectures and supervised research in England. Offered exclusively through the USM Institute of Anglo-American Studies.

HISTORY (HIS—272)

ECO 310 and PS 420, 421, and 425 may be selected as history if approved by the student's adviser. No more than six (6) hours of these courses may be counted as history credit.

101. **World Civilization to 1648 A.D.** 3 hrs. (JC 1113, 1143, 1163)

102. **World Civilization Since 1648 A.D.** 3 hrs. (JC 1123, 1153, 1173)

140. **United States to 1877.** 3 hrs. (JC 2213, 2243)

141. **United States Since 1877.** 3 hrs. (JC 2223, 2253)

301. **Modern China and Japan.** 3 hrs. An historical study of China and Japan in the 19th and 20th centuries.

303. **Studies in Non-Western History.** 3 hrs. May be repeated for a total of nine hours.

310. **The Ancient World.** 3 hrs.

311. **The Middle Ages.** 3 hrs.

313. **Early English History.** 3 hrs.

315. **Studies in European History.** 3 hrs. May be repeated for a total of nine hours.

317. **Exploration and Discovery from Columbus to Darwin.** 3 hrs.

318. **War and Science in Modern History.** 3 hrs. Examines the role of science in warfare and the effect of warfare on science, from c 1900 to the present.

340. **Afro-American History.** 3 hrs. A chronologically arranged survey of the black political, social, economic, and intellectual experience in slavery and freedom, with emphasis on protest thought and deed.

341. **Mississippi History.** 3 hrs. A survey of Mississippi's economic, social, and political development from seventeenth century European settlement to the present.

342. **U.S. Military History.** 3 hrs. A survey of American military history.

344. **Studies in United States History.** 3 hrs. May be repeated for a total of nine hours.

345. **Introduction to Historical Methodology.** 3 hrs. A basic course to acquaint the student with the theory and practice of historical study.

346. **Women in American Society.** 3 hrs. A survey of the experience of American women from the colonial period to the present with emphasis on the evolution of woman's role in society in response to changing economic and social conditions.

347. **World War II.** 3 hrs. The military history of the Second World War from 1939 to 1945.

382. **Studies in Latin American History.** 3 hrs. An undergraduate seminar dealing with a variety of Latin American topics. May be repeated for a total of nine hours.

383. **Survey of Latin American History: From Columbus to Castro.** 3 hrs. A study of Latin American history from the conquest to the present with an emphasis on social, economic, and cultural developments.

400. **Italian Studies: Variable Topics in Italian History.** 3-6 hrs. A study of selected political, economic, social and diplomatic themes in Italian history.

407. **Renaissance and Reformation.** 3 hrs. A survey of major intellectual/religious changes in early Modern Europe.

409. **Themes in the Non-Western World.** 3 hrs. An analysis of economic, political, social, and cultural issues which have shaped relations between the Western and non-Western worlds.

411. **History of the USSR.** 3 hrs.

412. **English Constitutional and Legal History.** 3 hrs. Emphasis on the main trends in the evolution of the modern common law system and the contemporary constitution.

413. **Medieval Life and Thought.** 3 hrs.

414. **Nazi Germany.** 3 hrs. A survey of the political, diplomatic, economic, and social developments in Germany from 1919 through 1945.

415. **French Revolution and Napoleon.** 3 hrs. A study of Revolutionary and Napoleonic France and its impact on Europe.

416. **Europe 1815-1870.** 3 hrs. A survey of early nineteenth century Europe, with emphasis on nationalism and the quest for reform.

417. **Europe 1870-1914.** 3 hrs. A survey of late nineteenth and early twentieth century Europe with emphasis on the growth of democracy, the expansion of empires, and the origin of World War I.

418. **Europe 1914-1945.** 3 hrs.

419. **Europe Since 1945.** 3 hrs. A survey of European history since the end of World War II, covering such key developments as economic reconstruction, the Cold War, NATO, and the Common Market.

420. **France, 1815-Present.** 3 hrs. A survey of French history after Napoleon emphasizing the evolution of political and social structures.

421. **Tudor-Stuart Britain.** 3 hrs.

422. **British Studies: History of Science.** 3-6 hrs. Lecture series and research in history of science offered abroad under auspices of Institute of Anglo-American Studies. (May be taken as BSC 422 or SCE 422)

423. **History of Science and Technology, 1500-1950.** 3 hrs. An interdisciplinary course designed for both science and liberal arts students. Traces the development of science and technology and their role in society from the Renaissance to the present. (Cross-listed as BSC 423, HUM 423, and PHY 485.)

424. **Intellectual and Cultural History of Modern Europe.** 3 hrs. Philosophy, social thought, and the arts from the Enlightenment to the present.

425. **Nineteenth and Twenteth Century Britain.** 3 hrs.

426. **Topics in British Commonwealth History.** 3 hrs. The British Commonwealth from its mid-nineteenth century origins to the present. Will focus on Canada and various other Commonwealth nations.

440. **The Age of Jefferson and Jackson.** 3 hrs. A study of political, social, and cultural changes in the United States from 1789-1848.

442. **The Old South.** 3 hrs. The social, economic, and cultural history of the antebellum South with particular emphasis on the plantation system and slavery.

443. **The New South.** 3 hrs. An analysis of the pecularities of the South's social, economic, political, and intellectual development from 1877 to the present. Emphasis is placed on those factors making the South distinctive in American history.

445. **U. S. Foreign Relations to 1914.** 3 hrs. A study of U. S. foreign policy from the American Revolution to World War I with an emphasis on manifest destiny and American expansion.

446. **U. S. Foreign Relations Since 1914.** 3 hrs. A continuation of HIS 445 with an emphasis on the diplomacy of World War I, the events leading to World War II, World War II, and the Cold War.

447. **Colonial America.** 3 hrs. Development of social, political, economic, and religious life in the English colonies of North America to 1763.

448. **The American Revolution.** 3 hrs. A discussion course concerning the dispute between Great Britain and her American colonies which led to the development of a new nation.

450. **The Southern Frontier.** 3 hrs. Examines through lectures and discussions pioneer and Indian life in Mississippi, Alabama, Louisiana, Tennessee and Georgia.

451. **The Western Frontier.** 3 hrs. Examines the significance of frontier types west of the Mississippi including explorers, mountain men, cowboys, farmers, miners, railroaders, and Indians.

452. **The Sectional Controversy and the Civil War, 1848-1877.** 3 hrs. An examination of sectional conflict, Civil War, and Reconstruction with primary emphasis on political and military history.

453. **Modern America.** 3 hrs. A survey of political, economic, diplomatic, and social developments in the United States from the close of the Civil War through the end of World War I.

454. **Twentieth Century America, 1919-1945.** 3 hrs. A detailed examination of the social, intellectual, political, diplomatic, and economic history of the interwar years.

456. **Law in American History.** 3 hrs. Traces the relationship between law and society throughout American history.

458. **Our Times.** 3 hrs. A detailed examination of social, intellectual, political, diplomatic, and economic history since World War II.

475. **A History of American Thought I.** 3 hrs. A survey of American thought from the 17th through the 19th century.

476. **A History of American Thought II.** 3 hrs. Prerequisite: HIS 475 or permission of instructor. A survey of 20th century American thought.

480. **History of Mexico and the Caribbean.** 3 hrs.

483. **Studies in South American History.** 3 hrs. Content varies in response to student interests. May be repeated for a total of six hours.

488. **Methods of Teaching Social Studies.** 3 hrs. Methods of lesson planning, preparing materials, teaching, and testing in secondary social studies courses.

489. **Austrian Studies.** 3-6 hrs. Variable topics in Central European History.

492. **Special Problems.** 1-3 hrs. (Students undertaking a Senior Honors Project will enroll in HIS H492.)

498 **Mid-East Studies.** 3-6 hrs. Variable topics in the History of the Middle East.

499. **British Studies: Seminar in European Studies.** 3-6 hrs. Lecture series and research in European studies offered abroad under auspices of Institute of Anglo-American Studies.

HOME ECONOMICS EDUCATION (HEE—820)

101. **Home Economics Seminar.** 1 hr. History and philosophy of home economics and the preparation of the professional home economics graduate.

201. **Introduction to Vocational Home Economics Education.** 3 hrs. Prerequisite: Sophomore standing. Organization and operation of vocational home economics programs; exploration of the unique responsibilities of the teacher; early field experiences provided.

301. **Methods of Teaching Home Economics.** 3 hrs. Prerequisite: Junior standing in home economics. Planning and organizing the home economics curriculum; use of various instructional strategies; managing the classroom and laboratories.

302. **Methods of Teaching Dietetics.** 3 hrs. Prerequisite: Junior in dietetics. Planning and organizing instruction in dietetics for various institutional settings.

401. **Family Life Education.** 3 hrs. General philosophy and broad principles of family life education with emphasis on planning, implementing, and evaluating such educational programs. (Prerequisite: 3 hrs. in Family Relati ns.)

404. **Consumer Economics.** 3 hrs. Consumer problems in present day society.

409. **Occupational Home Economics.** 3 hrs. The exploration and planning of teaching units for home economics related occupations.

412. **Supervised Field Experience in Home Economics Related Occupations.** 6 hrs. Preparation for Mississippi Certification in Occupational Home Economics; supervised work experience is required.

475. **Contemporary Issues Affecting the Quality of Life.** 3 hrs. Prerequisite: Senior Standing. Interdisciplinary problem solving regarding issues of importance in improving the quality of human life.

490. **Student Teaching Home Economics.** 12 hrs. Prerequisite: HEE 301 with grade no lower than **B.** (Also offered as CIS 490).

492. **Special Problems.** 1-4 hrs. Arr. (Students undertaking a Seniors Honor Project will enroll in HEE H492.)

HONORS COLLEGE (HON—000)

111. **Honors Colloquium.** 3 hrs. World thought and culture.

112. **Honors Colloquium.** 3 hrs. Continuation of HON 111.

211. **Honors Colloquium.** 3 hrs. Continuation of HON 112.

212. **Honors Colloquium.** 3 hrs. Continuation of HON 211.

301. **Prospectus Writing.** 1 hr. Introductory research methods for Honors students. Pass/Fail.

303. **Honors Colloquium.** 3 hrs. Continuation of HON 212.

311. **Honors Directed Study.** 3 hrs. Independent study for Honors students.

312. **Honors Directed Study.** 3 hrs. Continuation of HON 311.

321. **University Forum.** 1 hr. A presentation of major themes in humanities, science, and social science. This course may be repeated for up to 8 hours of credit.

322. **University Forum.** 1 hr. Continuation of HON 321.

391. **Exchange Year Abroad.** 30-36 hours.

401. **Honors Colloquium.** 1 hr. Various topics of contemporary concern.

402. **Honors Colloquium.** 1 hr. Continuation of HON 401.

403. **Honors Seminar.** 3 hrs. Aspects of civilization.

411. **Honors Directed Study.** 3 hrs. Independent study for Honors students.

490. **Honors Colloquium.** 3 hrs. The contemporary world.

492. **Honors Research.** 1-3 hrs. Senior project.

499. **British Studies.** 3-6 hrs.

Special Honors sections are also offered by many departments.

HOTEL AND RESTAURANT ADMINISTRATION (HRA—818)

179. **Introduction to Hotel, Restaurant, and Tourism Administration.** 1 hr. An introductory course in the lodging, food service, and tourism industries.

279. **Practicum in Hotel, Restaurant, and Tourism Administration.** 2 hrs. Prerequisites: Sophomore Standing and permission of the faculty. Field experience in a hotel, restaurant, or tourism related work setting.

375. **Beverage Management.** 3 hrs. Basic principles and procedures of effective beverage selection, control, and management.

376. **Front Office Administration for Lodging Facilities.** 3 hrs. Prerequisites: MGT 360, ACC 201. Organization, management, and operating procedures of the front office in lodging facilities.

478. **Seminar in Hotel, Restaurant, and Tourism Management.** 1-6 hrs. Arr. Prerequisite: Permission of faculty. Discussion and analysis of principles, trends, and practices in the industry.

479. **Internship in Lodging, Food Service, and Tourism.** 4-9 hrs. Arr. Prerequisite: Permission of faculty. Supervised experience in a lodging, tourism, and/or food service management training program.

480. **Hospitality Industry Accounting.** 3 hrs. Prerequisites: ACC 202, HRA 375, 376. Accounting principles applied to the hospitality industry. Financial statement analysis through case study. Managerial accounting emphasized.

481. **Legal Aspects of the Hospitality Industry.** 3 hrs. Prerequisite: GBA 295. Origin, development, and principles of common and statutory law as it applies to the hospitality industry.

482. **Marketing of Hospitality and Travel Services.** 3 hrs. Prerequisite: MKT 300 or 355. Analysis of the planning, developing, and marketing of food, lodging, and travel services.

483. **Dimensions of Tourism.** 3 hrs. Study of the components and forces which influence the international and domestic hospitality and travel industries.

484. **Lodging and Food Service Properties Managment.** 3 hrs. Prerequisite: HRA 376. Engineering, maintenance, and security systems for lodging and food service opera tions.

485. **Convention and Exposition Management.** 3 hrs. Prerequisite: MKT 300. Planning, promotion, and management of meetings, conventions, and expositions.

490. **International Studies in Hotel, Restaurant, and Tourism Management.** 3-6 hrs. Arr. Examination of hospitality, tourism, and foodservice industry via international lectures and field trips.

492. **Special Problems in Hotel and Restaurant Administration.** 1-6 hrs. (Students undertaking a Seniors Honor Project will enroll in HRA H492.)

494. **Tourism Destination Development.** 3 hrs. Prerequisite: HRA 483. Study of community impacts—positive and adverse—of different tourism enterprises. Special emphasis on festivals and community events.

HUMANITIES (HUM—001)

214. **Modern Europe.** 3 hrs.

280. **Ancient Egypt.** 3 hrs. An introduction to Pharaonic Egypt with emphases on the system of writing and language, literature, art, religion, and history.

310. **French Literature.** 3 hrs. A study of major prose works, primarily of the nineteenth century, in their cultural and historical contexts.

320. **German Literature.** 3 hrs. A study of selected major works, including Goethe's **Faust**, in their cultural and historical contexts.

333. **Greek Literature and Culture.** 3 hrs. A study of masterworks by Homer, Plato, and Aristotle.

340. **The Italian Renaissance.** 3 hrs. A study of major works, including the **Divine Comedy**, in their cultural and historical contexts.

353. **Roman Literature and Culture.** 3 hrs. A study of major works, including the **Aeneid**, in their cultural and historical contexts.

354. **Medieval and Renaissance Humanism.** 3 hrs. A study of major works, including Augustine's **City of God**, in their cultural and historical contexts.

370. **Spanish Literature.** 3 hrs. A survey of the literature of Spain from 1140 to 1940.

423. **History of Biological and Physical Sciences, 1500-1950.** 3 hrs. Cross-listed as HIS 423, BSC 423, and PHY 485.

490. **Studies in European Humanities.** 3 hrs. A study of selected works in their cultural and historical contexts. Texts and topics vary.

495. **Proseminar in Humanities.** 1-2 hrs., repeatable to 3 hrs. Prerequisite: Assignment to a Humanities mentor. Supervised writing on an approved topic.

INDUSTRIAL AND VOCATIONAL EDUCATION (IVE—165)

116. **Multifield Crafts Laboratory.** 3 hrs. An introduction to contemporary art-crafts with laboratory experience and skill development. A multiple activity emphasis.

301. **Applied Electricity.** 3 hrs. Introduction to electrical theory. Laboratory experience with basic communications and industrial circuits.

302. **Applied Electronics.** 3 hrs. Prerequisite: IVE 301. A continuation of electron theory and laboratory experience with communications and industrial circuits.

303. **Industrial Electronics.** 3 hrs. Prerequisite: IVE 302. Solid state integrated circuits. Printed circuit board fabrication and trouble-shooting.

314. **Leather Craft.** 3 hrs. Designing, tooling, carving, and finishing leather products.

315. **Plastics.** 3 hrs. Materials in common use, project design, and fabrication.

316. **Power Mechanics.** 3 hrs. Development and use of all forms of power. Laboratory experiences with gasoline engines.

318. **Materials and Processes of Industry.** 3 hrs. A study of manufacturing methods with a wide variety of industrial materials.

319. **Industrial Arts for Elementary Teachers.** 3 hrs. A methods course for elementary teachers.

323. **Engineering Drawing I.** 3 hrs.

324. **Engineering Drawing II.** 3 hrs. Prerequisites: IVE 323. Includes hands-on CAD.

331. **Woodwork.** 3 hrs. Introduction to woodworking tools; materials, processes, and products.

332. **Finishing Materials and Applications.** 3 hrs. A course covering equipment, materials, and techniques.

333. **Advanced Woodwork.** 3 hrs. Prerequisite: IVE 331. Emphasis upon design, machine use, and advanced project construction.

350. **Architectural Drawing.** 3 hrs. Practice in drafting contemporary house plans, floor plans, elevations, sections, details, etc. Includes hands-on CAD.

360. **General Metals.** 3 hrs. Introduction to the field of metal working.

361. **Sheet Metal Fabrication.** 3 hrs. Pattern making and metal forming processes.

362. **Machining Processes.** 3 hrs. Prerequisite: IVE 360. Typical machine operations including turning, drilling, milling, etc. Introduction to CNC and CAM.

364. **Welding.** 3 hrs. Theory and practice in gas and arc welding.

365. **Casting Technology.** 3 hrs. Investigations and laboratory experiences in casting processes.

366. **Decorative Metal Work.** 3 hrs. Designing, constructing, and finishing of decorative objects in metal.

400. **Shop Planning and Equipment Selection.** 3 hrs. A study of shop layout, equipment specifications, cost, and procurement.

401. **Management of the Vo Tech Learning Enviroment.** 3 hrs. Organization and management of students, equipment, and physical facilities.

402. **History and Philosophy of Industrial Education.** 3 hrs. A study of the underlying foundations and principles, leaders, and movements in industrial arts.

403. **Design of the Vo Tech Instructional Program.** 3 hrs. Occupational analysis based design and sequencing of instructional components, and the development of appropriate support materials.

404. **Problems of the Coordinator.** 3 hrs. A study of the problems, procedures, techniques, etc., in the operation of part-time cooperative education.

420. **Industrial Materials Testing.** 3 hrs. A systematic study of common industrial materials, their properties, and application through experiments and research.

421. **Power Transmissions.** 3 hrs. A study of mechanical, hydraulic, pneumatic, and electrical power amplification and transmission.

430. **Introduction to Vocational and Technical Education.** 3 hrs.

431. **Philosophy and Principles of Vo Tech Instruction.** 3 hrs. A methods course for teaching trade, technical and other vocational subjects.

432. **Problems of Adult Education.** 3 hrs. Methods and techniques in teaching adults in industrial education classes.

433. **Curriculum Construction for Cooperative and Adult Vocational Classes.** 3 hrs. Objectives, content, arrangement and techniques of teaching in part-time cooperative and evening programs.

434. **Occupational Surveys.** 3 hrs. Planning and conducting occupational surveys for educational purposes.

435. **Development of Vo Tech Instructional Materials.** Selection, development and use of instructional aids, with an emphasis on media production.

436. **Delivery of the Vo Tech Instructional Program.** 3 hrs. Learning theory based techniques of instructional delivery in the vocational classroom and laboratory.

437. **Industrial Human Relations.** 3 hrs. A study of human behavior and interpersonal dynamics within the industrial organization and environment. Primarily for industrial educators.

462. **Computer Numerical Control Machining.** 3 hrs. Advanced study of computer numerical control machining; programming, operations, applications, maintenance and future developments. Hands-on CNC laboratory experience.

465. **Microcomputers in Industrial/Vocational/Technical Education.** 3 hrs. Skill development in the use of microcomputers and software appropriate to teaching and managing industrial, vocational, and technical education activities.

480. **History and Philosophy of Vocational Education.** 3 hrs. Objectives, principles, aims, and organization of programs in schools and colleges.

481. **Evaluation of Vo Tech Student Performance.** 3 hrs. Development and utilization of various measuring devices and techniques, statistical treatment of data, and grade assignments.

482. **Industrial and Vocational Safety.** 3 hrs. Analysis of fundamentals of accident prevention and their application in school and industrial shops.

483. **Occupational Safety.** 3 hrs. Organization and administration of safety programs including implementation of the Occupational Safety and Health Act. Primarily for industrial educators.

492. **Industrial Special Problems.** 1-3 hrs. Prerequisites: Senior standing and chair's permission.

+ 494. **Student Teaching in Vocational-Technical Education.** 9 hrs. Prerequisite: IVE 431. For students who plan to teach in a post-secondary vocational or technical program and who are not presently employed in such a program.

+ 495. **Internship in Vocational-Technical Education.** 1-9 hrs. Prerequisite: IVE 431. A nine-months' supervised experience for practicing teachers of vocational or technical subjects.

497. **Interdisciplinary Seminar in Developmental Disabilities.** 3 hrs.

INDUSTRIAL ENGINEERING TECHNOLOGY (INT—395)

148. **Engineering Graphics.** 3 hrs. The basics of engineering drawing: tools and equipment, geometric construction, sketching, projections, dimensioning, and tolerances.

249. **Production Graphics.** 3 hrs. Prererquisite: INT 148 or equivalent. Graphical procedures used in industrial processes and product development. Includes auxillary views, intersections, and an introduction to computer aided design.

250. **Descriptive Geometry.** 3 hrs. Graphical and numerical techniques for orthographic projections.

300. **Manufacturing Processes.** 3 hrs. Prerequisites: IVE 360 and 362. Elementary Manufacturing operations and their combination into manufacturing processes.

+ 301. **Engineering Economics.** 3 hrs. Aspects of investment analysis relating to equipment justification, retirement, and replacement in industry.

+ 302. **Industrial Quality Control.** 3 hrs. Prerequisite: CSS 211. The use of control charts, acceptance sampling, and tolerances to test and improve product quality. Basic reliability.

306. **Electrical Power System Instrumentation.** 3 hrs. Instrumentation and techniques for monitoring electrical power system operation.

308. **Maintenance Engineering Technology.** 3 hrs. Problems associated with keeping an operating system at a highly productive level and maintaining buildings and grounds.

392. **Special Problems.** 1-3 hrs. arr. Prerequisite: Junior standing and approval of faculty adviser. Individual or group study in area not covered by available courses.

400. **Senior Project.** 3 hrs. arr. Prerequisite: Senior standing and approval of faculty adviser. Student required to complete project in his or her area of specialization.

401. **Senior Project.** 3 hrs. arr. Continuation of INT 400.

+ 405. **Production and Inventory Control Systems.** 3 hrs. Principles of production and inventory planning and control. Forecasting techniques, EOQ, MRP, production scheduling, line balancing, CPM/PERT.

406. **Industrial Automation.** 3 hrs. Elements of automated machinery.

407. **Personnel in Technology.** 3 hrs. Concepts, principles, techniques, and programs essential to the employment, development, utilization and supervision of industrial personnel.

+ 408. **Innovations in Technology.** 3 hrs. A survey of CAD/CAM systems and recent developments in the field. Computer integrated manufacturing, group technology, artificial intelligence, laser beam technology.

409. **Plant Layout and Material Handling.** 3 hrs. Effectiveness of plant layout and material handling to the production activity, involving personnel, materials, tools and equipment.

410. **Human Factors.** 3 hrs. Interaction between humans and their work environment: information transfer, tools, workspaces and external influences.

410-L. **Human Factors Laboratory.** 1 hr.

440. **Alternate Energy Systems.** 3 hrs. Study of alternative sources of energy and power.

441. **Industrial Energy Management.** 3 hrs. A study of the technical, and economic considerations for energy management in industry.

443. **Power Plants.** 3 hrs. Study of stationary power plants, economics, efficiency, components, fuels, and typical industrial applications.

462. **Power System Economics.** 3 hrs. Prerequisite: ELT 461. Economics of power system operation: cost analysis, rate determination, optimum system operation.

463. **Computer Methods in Electrical Power.** 3 hrs. Prerequisite: ELT 461. Computer-aided analysis and design of electric power systems.

476. **Electrical Safety in Industry.** 3 hrs. Electrical equipment safety. Injuries caused by electrical faults. Inspection and maintenance of electrical equipment.

477. **Fire Safety in Industry.** 3 hrs. Factors contributing to industrial fires. Chemistry and classifications of fires. Fire extinguishers and water systems. Fire Prevention.

+ 480. **Industrial Simulation and Modeling.** 3 hrs. Analysis of discrete-event and continuous processes and systems encountered in industry using computer simulation techniques.

491. **Seminar.** 2 hrs. Prerequisite: Senior standing. Tours, guest lectures, student presentations, and discussions of the latest methods in the field.

492. **Special Problems.** 1-3 hrs. Prerequisite: Senior standing; approval of faculty adviser. Supervised study in area not covered by available courses.

INSTITUTION ADMINISTRATION (IAD—817)

271. **Problems in Managing a Food Service.** 3 hrs. Organizational structure of the federal school lunch program. Emphasis placed on management procedures.

272. **Principles of Quantity Food Service.** 3 hrs. Techniques and theories of quantity food preparation including use of equipment and sanitation and quality controls. Includes laboratory.

273. **Sanitation.** 3 hrs. Emphasis on all phases of sanitation in food service and hospitality industries.

370. **Catering.** 3 hrs. Prerequisites: IAD 272 and permission of instructor. Principles, techniques and implementation of special functions in food service. Includes laboratory.

470. **The School Lunch.** 3 hrs. Designed to give experience in menu planning, records, food buying and preparing and serving food on quantity level.

471. **Purchasing for the Hospitality Industry.** 3 hrs. Prerequisites: Junior standing and IAD 272. Procurement of food and non-food materials in hospitality and related industries.

472. **Quantity Food Production and Service.** 4 hrs. Prerequisite: IAD 272. Principles of quantity food production, purchasing, and service. Includes laboratory.

474. **Food Service Layout and Design.** 3 hrs. Prerequisite: IAD 472. Planning, designing, and layout of food service facilities with emphasis on arrangement and selection of equipment.

475. **Food Systems II.** 4 hrs. Prerequisite: IAD 472. Organization and management of food service operations; cost control techniques; layout and equipment; and human relations.

476. **Food Service Management.** 4 hrs. Prerequisites: IAD 472 and Senior Standing. A study of management of food service systems and the interrelationship of the components of these systems.

477. **Administrative Dietetics.** 6 hrs. Prerequisite: IAD 475. Corequisite: FN 464. Study and application of management theory and techniques in the supervision of foodservice personnel.

492. **Special Problems in Institution Administration.** 1-4 hrs. Prerequisite: Permission of instructor. (Students undertaking a Seniors Honor Project will enroll in IAD H492.)

JOURNALISM (JOU—212)

202. **Basic Newswriting.** 3 hrs. Prerequisite: Typing proficiency. Fundamentals of writing for mass media. Emphasis on presentation formats, writing and evaluation of news under deadlines in a laboratory setting. (JC 1313)

203. **Reporting.** 3 hrs. Prerequisite: JOU 202. Application of news gathering techniques. Emphasis on interviewing, story idea origination and writing of original material for publication.

231. **Issues in Advertising.** 3 hrs. A study of practices and problems in advertising and its relationship to society.

241. **Basic Elements of Photography.** 3 hrs. Corequisite: JOU 241L. Introductory course in camera operations, exposing, developing and printing black and white photographs.

241L. **Basic Photography/Journalism Laboratory.** 1 hr. Corequisite: JOU 241.

242. **Photojournalism.** 3 hrs. Prerequisites: JOU 241, 241L. Corequisite: JOU 242L. Intermediate course in camera and darkroom techniques. Emphasizes presentation of black and white still photojournalism.

242L. **Photojournalim Laboratory.** 1 hr. Corequisite: JOU 242.

301. **Feature Writing.** 3 hrs. Prerequisite: JOU 202. Researching and writing feature articles, particularly for the magazine markets. Analyses of the magazine medium and free-lance markets.

303. **Investigative Strategies for Journalists.** 3 hrs. Prerequisite: JOU 203. Strategies to locate, understand and use records and documents, including nongovernment sources and computer data bases, interviewing techniques as documentary evidence.

311. **Editing.** 3 hrs. Prerequisite: JOU 202. Practice in the preparation of copy for print publications. Emphasizes precise language usage, news style, headline and caption writing.

312. **Design Typography.** 3 hrs. General survey of type and printing development. Practical exercises in preparation of camera-ready copy through production.

313. **Newspaper Design and Make-up.** 3 hrs. Prerequisite: JOU 311. Study and practical assignments in copy writing and designing advertising layouts.

330. **Advertising Layout.** 3 hrs. Prerequisite: JOU 231. Study and practical exercises in preparation of camera-ready copy for advertising layouts.

331. **Advertising Copywriting.** 3 hrs. Prerequisites: JOU 231, 330, or consent of instructor. Study and practical assignments in copy writing and designing advertising layouts.

333. **Advertising Media.** 3 hrs. Prerequisites: JOU 231 and CSS 211, ECO 301, PSY 360, or SOC 460. The study of media as vehicles for advertising messages; preparation of media objectives, strategies, budgets and buying plans as integral parts of the advertising process.

340. **Editorial Illustration Photography.** 3 hrs. Prerequisite: JOU 242. Corequisite: JOU 340L. Specializes in use of medium and large format cameras for industrial and studio shooting of fashion, products, and portraiture.

340L. **Editorial Illustration Photography Laboratory.** 1 hr. Corequisite: JOU 340.

342. **History of Still Photography.** 3 hrs. A study of early photographers, photographic techniques, and photographic processes as they relate to modern photographic communication.

346. **Color Photography.** 3 hrs. Prerequisite: JOU 241. Corequisite: JOU 346L. Color photography and printing techniques using both positive and negative color film.

346-L. **Color Photography Laboratory.** 1 hr. Corequisite: JOU 346.

402. **Advanced Reporting.** 3 hrs. Prerequisites: JOU 203, 303. Reporting emphasizing research, analysis, and writing about government and public institutions. Traditional and contemporary reporting strategies examined.

403. **Specialized Reporting.** 3 hrs. Prerequisite: JOU 203. Investigative and interpretative reporting of complex or specialized subjects. Emphasis on writing for publication.

405. **Problems in Publication Production.** 3 hrs. Practical training in the production of student publications and advising of staffs.

418. **Practicum in Journalism.** 1-3 hrs. Prerequisite: Consent of adviser. Supervised experience in news, photography, public relations, or advertising.

421. **Public Relations.** 3 hrs. Introduction to the professional practice of public relations, emphasizing its function and process, publics, tools and media of communication, and profes sional ethics.

422. **Publicity Methods.** 3 hrs. Prerequisites: JOU 202, 421. Concentrates on designing total public relations packages for public, business, and non-profit organizations. Requires production of a publicity campaign.

425. **Business and Professional Publications.** 3 hrs. Prerequisite: JOU 421. Writing, editing, designing, and producing publications used in public relations communication with emphasis on magazines.

428. **Public and Press Relations Management.** 3 hrs. Prerequisite: JOU 421. Emphasizes systematic, analysis of clients and publics, formulation of goals and strategies, and multimedia communications. Evaluation of effectiveness and budget preparation included. Case studies and field project.

429. **Internship.** 3 hrs. Prerequisite: Consent of adviser. Designed for students who have arranged internship in news, photography, advertising, and public relations.

431. **Advertising Campaigns.** 3 hrs. Prerequisite: JOU 330, 331, 333 and Senior Standing. Planning and executing advertising campaigns.

433. **Problems and Cases in Advertising.** 3 hrs. Prerequisites: JOU 231, 330, 331, 333 and Senior Standing. The focus is upon problems, decisions, and decision-making processes of advertising managers with special emphasis upon decision-making across the functional areas of the advertising process.

441. **Photojournalism Portfolio.** 3 hrs. Prerequisite: JOU 242, 340. Corequisite: JOU 441L. Allows completion of student portfolio entries. Emphasizes presentation formats and styles.

441L. **Photojournalism Portfolio Laboratory.** 1 hr. Corequisite: JOU 441.

442. **Commercial Photography.** 3 hrs. Prerequisite: JOU 341. Introduction to large format studio photography.

443. **Photojournalists as Editors.** 3 hrs. Prerequisites: JOU 242. Print media design with an emphasis on photojournalism. Emphasizes personnel and staff management.

450. **History of Journalism.** 3 hrs. Major events, issues, and personalities of American mass media examined within interdisciplinary framework. Historial relations of print media and public institutions emphasized.

452. **Press and Society.** 3 hrs. Roles and responsibilities of mass media in society. Critique of mass media performance. Media codes and controls on the media.

460. **Press Law and Ethics.** 3 hrs. Rights and constraints of the press, with emphasis on both legal and ethical considerations. A study of libel, copyright, monopoly, contempt, regulations, and other aspects of the law as applied to mass communication.

470. **Newspaper Organization and Management.** 3 hrs. Study of the interrelationships of the various departments in newspaper organizations of varying circulation sizes and management techniques used to direct their activities.

480. **Seminar in Journalism.** 3 hrs. Examination of theoretical concepts in journalism and the setting for their application. May be repeated for maximum 6 hrs. credit.

492. **Special Problems.** 1-6 hrs. (Students undertaking a Senior Honors Project will enroll in JOU H492.)

498. **British Studies in Photography.** 3-6 hrs. Prerequisite: Consent of Instructor. Lecture and research in British photography abroad under the auspices of Anglo-American Studies.

499. **British Studies in Journalism.** 3-6 hrs. Prerequisite: Consent of instructor. Lecture and research in British Journalism offered abroad under the auspices of Institute of Anglo-American Studies.

LIBRARY SCIENCE (LS—170)

101. **Introduction to the Library.** 1 hr. Basic course in keys to information resources.

201. **Introduction to Library Resources and Usage.** 3 hrs. A survey of library resources as well as methods and techniques for effective utilization of library materials and services.

401. **Introduction to Reference Resources and Services.** 3 hrs. An introduction to reference materials, services, activities, and functions as well as methods for locating information.

+ 405. **Cataloging and Classification.** 3 hrs. Principles and methods of cataloging and classifying library materials. Provides practice in bibliographical description and subject analysis.

406. **Advanced Cataloging and Classification.** 3 hrs. Prerequisite: LS 405. Advanced study of the principles and methods of descriptive and subject cataloging and classification with attention to non-print materials.

408. **Administration of Library-Media Centers I.** 3 hrs. A survey of the objectives, functions, and organization of the library-media center in elementary and secondary schools.

409. **Administration of Library-Media Centers II.** 3 hrs. Prerequisite: LS 408. Advanced study of school library media programs with emphasis on the application of administrative principles to planning, budgeting, staffing, and evaluation.

411. **Development of Multi-Media Collections.** 3 hrs. Principles governing the selection and procurement of all types of library materials, including the use of selection aids and bibliographic sources.

+ 416. **Utilization of Audiovisual Media and Equipment.** 3 hrs. A survey of media resources and equipment with an emphasis on utilization in libraries. Provides experience with equipment.

417. **Literature and Related Media for Children.** 3 hrs. A survey of children's literature, traditional and modern, and other related materials for use by and with children in grades 1-6.

418. **Literature and Related Media for Adolescents.** 3 hrs. Study of adolescent literature and other related materials for use by and with young people in grades 7-12.

425. **Instructional Styles in Media Centers.** 3 hrs. The assessment of individualized styles of instruction in school library media centers.

426. **Film and Television in Media Programs.** 3 hrs. The conceptualization, production, critiquing, and effective utilization of film and video in planning library services and related activities.

480. **British Studies: Studies in Librarianship.** 3 hrs. Prerequisite: Consent of instructor. Comparative studies of library and information-related institutions, bibliographic organization, models of service and professional practice in the United States and Great Britain.

481. **British Studies: Seminar in Children's/Young Adult Literature.** 3 hrs. Prerequisite: Consent of instructor. To explore in-depth specific aspects of British books written for children.

482. **British Studies: Information Centers and Special Libraries.** 3 hrs. Prerequisite: Consent of instructor. A survey of the resources and services provided by specialized information centers and libraries in corporate and governmental institutions in England.

485. **British Studies: Information Systems.** 3 hrs. Prerequisite: Consent of instructor. Explores developments in the field of information processing systems in British installations.

486. **British Studies: Historical Studies in Children's Literature.** 3 hrs. Prerequisite: Consent of instructor. Traces the development of children's literature in England and the United States to the early 20th Century.

487. **British Studies: Research.** 3 hrs. Prerequisite: Consent of instructor. To provide the opportunity for in-depth research projects.

+ 489. **Library Practicum.** 1-4 hrs. Arr. Supervised work in a library to provide the student with operational library experience.

490. **Instructional Television: Utilization and Production.** 3 hrs. Utilization of television in instructional settings. Emphasis on programming from Mississippi ETV and use of portapac television equipment. (Also offered as REF 490.)

491. **Problems in School Library Media Center Administration.** 3 hrs. Intensive investigation of the current problems of school library media centers administration. May be taken twice; only three hours of credit can be applied to degree requirements.

492. **Special Problems in Librarianship.** 1-3 hrs. Individual investigation of topics to be approved by the director. (Students undertaking a Seniors Honor Project will enroll in LS H492.)

493. **Issues in Public Librarianship.** 3 hrs. Considers problems involved in the administration and supervision of public libraries. Emphasizes topics relevant to participants.

494. **Student Teaching in Library Science.** 12 hrs.

MANAGEMENT (MGT—620)

(Enrollment in Management courses requires at least junior standing.)

360. **Fundamentals of Management.** 3 hrs. Introduction to planning, organizing, staffing, directing, and controlling production processes and human behavior in organizations, including the social, legal, and economic environments.

364. **Human Resource Management.** 3 hrs. Prerequisites MGT 360. Emphasis on procuring, developing, maintaining, and utilizing an effective work force within the current legal and social environment.

454. **Organizational Behavior.** 3 hrs. Prerequisite: MGT 360. A study of individual and group behavior in organizations, including motivation, leadership, and communication.

455. **Organization Theory.** 3 hrs. Prerequisite: MGT 360. To develop an understanding of the impact of the interaction of structure, environment, technology, and climate on organizational effectiveness.

464. **Work Methods and Performance Standards.** 3 hrs. Prerequisite: ECO 301, and MGT 360. Fundamentals of time study, job standards, and work methods improvement.

465. **Production and Operations Management.** 3 hrs. Prerequisite: ECO 301, and MGT 360. Development of the P.O.M. functions of production planning and control, inventory control, quality control, and materials handling.

467. **Quantitative Methods in Management.** 3 hrs. Prerequisite: ECO 301, MAT 312, and MGT 360. Development of the quantitative methods and techniques used in P.O.M.

468. **Compensation Administration.** 3 hrs. Prerequisite: MGT 360. Wage and salary administration including job analysis, incentive systems, wage survey, and fringe benefits.

472. **Labor Relations.** 3 hrs. Prerequisite: MGT 360. An integrated study of current law, practice, and policy; cases and role playing.

482. **Problems in Production and Operations Management.** 3 hrs. Prerequisite: Graduating senior in P.O.M. A case approach to such areas as selection and maintenance of equipment, product mix, and quality and production control.

484. **Problems in Human Resource Management.** 3 hrs. Prerequisite: Graduating senior in H.R.M. Case analysis, incidents, and role play provide integration for the functions of human resource management.

485. **Administrative Policy and Strategy Management.** 3 hrs. Prerequisite: Graduating senior in Business. A study of policies and strategies as related to the integrated functions of production, marketing, finance, and personnel in business enterprises.

492. **Special Problems.** 1-3 hrs. Prerequisite: Senior standing and consent of chair. Directed research on approval of topic of interest to the student. (Students undertaking a Senior Honors Project will enroll in Management H492.)

495. **International Management.** 3 hrs. Prerequisite: MGT 360. A course concentrating on the comparison of problems in management in the U.S. with those of multi-national firms.

498. **International Management Seminar Abroad.** 3 hrs. Prerequisite: Consent of Program Director. Conducted in London, England: a series of lectures and discussions involving authorities on international management issues and practices.

499. **International Management Research Abroad.** 3 hrs. Prerequisite: Consent of Program Director. A research course in international management required for any student enrolled in MGT 498.

MANAGEMENT INFORMATION SYSTEMS (MIS—630)

(Enrollment in courses numbered 300 or above requires at least junior standing.)

200. **Microcomputing Use in Business.** 3 hrs. An introductory course emphasizing spread sheets, word processing, and databases.

+ 290. **Intermediate Business Computing.** 3 hrs. Prerequisite: MAT 101. An introduction to structural problem-solving. Selected business problems in accounting, economics, finance, marketing, and production are programmed using an appropriate language.

+ 300. **Management Information Systems.** 3 hrs. Prerequisite: MAT 101. An introduction to Management Information Systems focusing on internal systems appropriate to the functional areas of business.

+ 301. **Applications Program Development I.** 3 hrs. Prerequisite: MIS 290 or equivalent. Selected business problems in accounting, economics, finance, marketing, and production are programmed using COBOL as the vehicle language.

302. **Applications Program Development II.** 3 hrs. Prerequisite: MIS 301. A continuation of MIS 301. A course in which the students write programs for more advanced reporting. Interactive processing is emphasized.

310. **Systems Analysis Methods.** 3 hrs. Prerequisite: Consent of instructor. The tools, techniques, and concepts of structured analysis and design of business information systems.

312. **Structured Systems Analysis and Design.** 3 hrs. Prerequisite: MIS 310. Advanced coverage of the strategies and techniques of structured systems development emphasizing the practical development of business systems.

320. **Microcomputer Applications in Business.** 3 hrs. Prerequisite: MIS 290 or equivalent. An introductory course emphasizing standard software packages available to the business manager.

+ 401. **Database Program Development.** 3 hrs. Prerequisite: MIS 312. The theory and practice of database design. Selected packages are used to design business information systems.

+ 405. **Applied Software Development Project.** 3 hrs. Prerequisite: MIS 301 and 312. A capstone business computer course with a comprehensive systems development project.

410. **Decision Support and Expert Systems.** 3 hrs. Prerequisite: MIS 312 and senior standing or consent of instructor. An analysis of the highest level of information support systems which serve the manager.

+ 492. **Special Problems.** 3 hrs. Senior standing and approval of faculty adviser. (Students undertaking a seniors honors project will enroll in MIS H492.)

MARINE SCIENCE (MAR—322)

401. **Biological Marine Science.** 3 hrs. Marine biological regimes and the influence of geological, physical, and chemical oceanographic features.

401-L. **Biological Marine Science Laboratory.** 1 hr. A laboratory for MAR 401.

402. **Marine Environmental Science.** 3 hrs. A study of the problems that affect the coastal and nearshore environments of the Gulf of Mexico.

441. **Chemical Marine Science.** 3 hrs. Prerequisites: BSC 111, CHE 352, MAT 179 or permission of instructor. Sea water chemistry and cycles and their impact on the marine environment.

441-L. **Chemical Marine Science Laboratory.** 1 hr. A laboratory designed to accompany MAR 441. Concurrent registration in MAR 441 is required.

461. **Physical Marine Science.** 3 hrs. Prerequisites: PHY 102, 106 or 202 and MAT 179. Can be taken as PHY 471.

461-L. **Physical Marine Science Laboratory.** 1 hr. Corequisite: MAR 461 or PHY 471.

463. **Physical Applications of the Fourier Transform.** 3 hrs. Applications of the Fourier Transform to measurements in Physics. Prerequisites: MAT 280 and PHY 202. Can be taken as PHY 451.

466. **Acoustics.** 3 hrs. Prerequisites: MAT 471, permission of instructor. Principles of the generation, transmission and reception of acoustic waves. May be taken as PHY 446.

MARKETING (MKT—625)

(Enrollment in Marketing courses requires at least junior standing.)

300. **Principles of Marketing.** 3 hrs. An integrated managerial-systems approach to the study of the marketing function in organizations. Development of marketing concepts, institutions, functions, and policies are analyzed within the framework of the competitive, legal, economic, and social environment.

322. **Creative Marketing.** 3 hrs. Prerequisite: MKT 300. An introductory course in problem-solving techniques which emphasizes creative problem-solving methodology, information processing strategies, and interpersonal behavior in task-oriented groups applied to marketing.

330. **Professional Selling.** 3 hrs. Prerequisite: MKT 300. An analysis of the ethics, functions, and techniques of professional selling using a behavioral and managerial approach.

342. **Principles of Retailing.** 3 hrs. Prerequisite: MKT 300. The operation of retail stores including location, display, merchandise planning and control.

355. **Principles of Advertising.** 3 hrs. Prerequisite: MKT 300. An introduction to the field of advertising including the background and social impact of today's advertising, media selection, copywriting, layout, visualization, and typography.

365. **Consumer Behavior.** 3 hrs. Prerequisite: MKT 300. Analysis of human behavior in the market place. Emphasis is placed on applying concepts from the social sciences to understanding consumer decision processes, buying patterns, and consumer research.

370. **Principles of Purchasing.** Prerequisite: MKT 300. An introduction to the principles of purchasing in industrial and nonprofit organizations.

380. **Industrial Marketing.** 3 hrs. Prerequisite: MKT 300. Special problems involved in marketing materials, equipment, and supplies to manufacturer and other business firms.

390. **Logistics.** 3 hrs. Prerequisite: MKT 300. An introduction to the overall coordination and integration of all aspects of physical movement of goods to, from, and between locations to achieve a firm's marketing objectives.

410. **Contract Negotiation and Administration.** 3 hrs. Prerequisites: MKT 300, MKT 370, GBA 295. A study of the principles and procedures for negotiating and administering purchase contracts.

424. **Marketing Research.** 3 hrs. Prerequisites: MKT 300 and ECO 302. A study of the systems, methods, and procedures used in meeting the informational needs of managers in the marketing area for both quantitative and qualitative marketing data.

428. **Marketing Management.** 3 hrs. Prerequisite: Completion of business core and senior standing. A comprehensive course designed to synthesize the more specialized marketing knowledge of the student through the study of case histories.

430. **Sales Management.** 3 hrs. Prerequisites: MKT 300 and MKT 330. A study of the methods and procedures involved in selection, training, organization, compensation, supervision, and evaluation of the sales force, using the modified case method of instruction.

442. **Advanced Retailing.** 3 hrs. Prerequisite: MKT 300 and MKT 342. An examination of specific problem areas in retail innovations, spatial competition, and retail mix development.

455. **Advanced Advertising.** 3 hrs. Prerequisite: MKT 300 and 355. An application of the principles of advertising including areas in trademarks, packaging, research, campaigns, and direct advertising.

458. **Promotion Management.** 3 hrs. Prerequisite: MKT 355 or consent of instructor. A practical application and integration of the basic principles from the areas of advertising, personal selling, sales promotion, public relations, and publicity. A modified case approach is used in the course.

466. **Services Marketing.** 3 hrs. Prerequisite: MKT 300. An examination of the identifying characteristics of services marketing as compared and contrasted to product marketing.

492. **Special Problems.** 1-3 hrs. (Students undertaking a Senior Honors Project will enroll in MKT H492.)

495. **International Marketing.** 3 hrs. Prerequisites: MKT 300 and MGT 360. The economic, political, and cultural aspects of international business operations.

496. **International Purchasing Seminar Abroad.** 3 hrs. Prerequisite: Consent of Program Director. Conducted in London, England: a series of lectures and discussions involving authorities on international purchasing issues and practices.

497. **International Purchasing Research Abroad.** 3 hrs. Prerequisite: Consent of Program Director. A research course in international purchasing required for any student enrolled in MKT 496.

498. **International Marketing Seminar Abroad.** 3 hrs. Prerequisite: Consent of Program Director. Conducted in London, England: a series of lectures and discussions involving authorities on international marketing issues and practices.

499. **International Marketing Research Abroad.** 3 hrs. Prerequisite: Consent of Program Director. A research course in international marketing required for any student enrolled in MKT 498.

MATHEMATICS (MAT—350)

099. **Developmental Mathematics.** 3 hrs. Required of all entering freshmen with an ACT mathematics score of less than 12. Does not satisfy any University core or degree requirements. Primarily elementary and intermediate algebra. Meets 250 contact minutes per week.

101. **College Algebra.** 3 hrs. Prerequisite: Two years of high school algebra or MAT 099. Polynomials, factoring, functions and graphs, linear and quadratic equations and inequalities. (JC 1313)

103. **Plane Trigonometry.** 3 hrs. Prerequisite: Two years of high school algebra or the equivalent. Trigonometric functions and their inverses, trigonometric identities and equations, solutions of triangles, logarithms. (Not open to students with credit for MAT 133.) (JC 1323)

\+ 112*. **Finite Mathematics for Business and Social Sciences.** 3 hrs. Prerequisite: MAT 101. Sets, relations, functions, graphs, logarithms, sequences, interest, equations, matrices, inequalities, linear programming. (JC 1333, 1423)

128. **Precalculus Mathematics.** 3 hrs. Prerequisite: High school trigonometry. Functions, analytic geometry, sequences, series, mathematical induction. Not open to students with credit for MAT 101 or MAT 103.

133. **Applied Trigonometry for Engineering Technology.** 3 hrs. Prerequisite: MAT 101. Basic concepts from trigonometry with specific applications to modern technology. (Not open to students with credit for MAT 103.)

136. **Applied Calculus for Engineering Technology I.** 3 hrs. Prerequisites: MAT 103 or 133. Plane analytic geometry, differentiation and integration with applications to curvilinear motion, related rates, curve sketching and areas. (A student who receives credit for any other calculus course cannot use this course to satisfy any degree requirements in the College of Science and Technology.)

137. **Applied Calculus for Engineering Technology II.** 3 hrs. Prerequisite: MAT 136. Continuation of techniques of differentiation and integration. Areas, volumes, centroids, moments of inertia, and an introduction to first and second order differential equations. (A student who receives credit for MAT 169 or MAT 179 cannot use this course to satisfy any degree requirements in the College of Science and Technology.)

The above courses are open only to freshmen. Other students desiring to take these courses must have approval from the Chair of the Department of Mathematics.

167. **Calculus I with Analytic Geometry.** 3 hrs. Prerequisite: MAT 103. Functions, limits, derivatives, applications of the derivative and selected topics from analytic geometry. (JC 1613)

168. **Calculus II with Analytic Geometry.** 3 hrs. Prerequisite: MAT 167 or MAT 178. Definite and indefinite integrals, applications of the integral, transcendental functions, and selected topics from analytic geometry. (JC 1623)

169. **Calculus III with Analytic Geometry.** 4 hrs. Prerequisite: MAT 168. Techniques of integration, infinite series, L'Hospital's rule, improper integrals, Taylor's formula, and selected topics from analytic geometry. (JC 2613)

178. **Differential and Integral Calculus with Analytic Geometry I.** 5 hrs. Prerequisite: MAT 103. Functions, limits, derivatives and their applications, definite and in definite integrals with applications, and selected topics from analytic geometry. (JC 1815)

179. **Differential and Integral Calculus with Analytic Geometry II.** 5 hrs. Prerequisite: MAT 168 or MAT 178. Transcendental functions, techniques of integration, infinite series, L'Hospital's rule, improper integrals, Taylor's formula, and selected topics from analytic geometry. (JC 1825)

\+ 210*. **Mathematics for Elementary Teachers I.** 3 hrs. Prerequisite: MAT 101. The real number system and its major subsystems: natural numbers, integers, rational numbers. (Open only to elementary and special education majors.) (JC 1723)

280. **Multivariable Calculus.** 3 hrs. Prerequisite: MAT 169 or MAT 179. Differential calculus of several variables, directional derivatives, partial derivatives, the chain rule, extrema problems, double and triple integrals and their applications. (JC 2623)

\+ 310*. **Mathematics for Elementary Teachers II.** 3 hrs. Prerequisite: MAT 210. Basic concepts of geometry and probability and statistics. (Open only to elementary and special education majors.) (JC 1733)

\+ 312*. **Applied Calculus for Business and Social Sciences.** 3 hrs. Prerequisite: MAT 112. Elementary functions, differential and integral calculus with applications. (A student who receives credit for any other calculus course cannot use this course to satisfy any degree requirements in the College of Science and Technology.)

314. **Calculus for the Arts and Sciences.** 3 hrs. Prerequisite: MAT 103. An introduction to functions, graphs, continuity, differential and integral calculus, with applications to the arts and life sciences. (A student who receives credit for any other calculus course cannot use this course to satisfy any degree requirements in the College of Science and Technology.)

316. **Applied Linear Algebra.** 3 hrs. Prerequisite: MAT 169 or 179. Matrices, systems of linear equations eigenvalues and eigenvectors, matrix calculus.

320. **Introductory Probability and Mathematical Statistics.** 3 hrs. Prerequisites: MAT 340 and MAT 169 or 179, or permission of instructor. Fundamental principles and techniques in probability and mathematical statistics.

326. **Linear Algebra I.** 3 hrs. Corequisite: MAT 168 or 179. Vector spaces, systems of linear equations, linear transformations, matrices, inner products.

340. **Discrete Mathematics.** 3 hrs. Corequisite: MAT 167, 178 or higher. Logic, set theory, and selected topics from algebra, combinatorics, and graph theory. (Should be taken prior to completion of the calculus sequence.)

370. **Introductory Geometry.** 3 hrs. Introduction to elementary Euclidean geometry and formulas related to two and three-dimensional space. (Open only to those students preparing to teach Mathematics in grades 7-12.)

385. **Introduction to Differential Equations I.** 3 hrs. Prerequisite: MAT 169 or 179. Linear ordinary differential equations with applications; an introduction to power series solutions. (JC 2913)

410. **Mathematics for Teachers of Junior High School Mathematics.** 3 hrs. The real number system and major subsystems, introduction to algebra, informal geometry, consumer mathematics and introduction to BASIC programming. (Open only to elementary and special education majors.)

415. **Introduction to Differential Equations II.** 3 hrs. Prerequisite: MAT 385. Systems of linear differential equations, operator methods, approximating solutions, Laplace transforms.

417. **Introduction to Partial Differential Equations.** 3 hrs. Prerequisites: MAT 280 and 385. Integrability conditions, quasilinear equations, applications of physics, classification of second order equations and canonical forms, separation of variables.

+ 418*. **Linear Programming.** 3 hrs. Prerequisite: MAT 326. Convex sets, linear inequalities, extreme-point solutions, simplex procedure, applications.

+ 419*. **Optimization in Mathematical Programming.** 3 hrs. Prerequisites: MAT 280 and MAT 418. Selected topics in optimization from linear and nonlinear programming.

420. **Statistics and Probability.** 3 hrs. Prerequisites: MAT 280 and 340. Random variables, probability functions, independent events, conditional probability, expectation, hypothesis testing.

421. **Number Theory.** 3 hrs. Prerequisite: MAT 340. Induction, well-ordering, division algorithm, Euclidean algorithm, Fundamental Theorem of arithmetic, number theoretic functions, congruences.

423. **Modern Algebra I.** 3 hrs. Prerequisite: MAT 340. Elementary notions in groups, Fundamental Theorem of Finitely Generated Groups, permutation groups, quotient groups, the isomorphism theorems, applications of transformation groups.

424. **Modern Algebra II.** 3 hrs. Prerequisite: MAT 423. Survey of standard algebraic systems; rings, integral domains, fields, modules, polynomial rings, fields of quotients.

426. **Linear Algebra II.** 3 hrs. Prerequisite: MAT 326. Determinants; polynomials; complex numbers; single linear transformations; orthogonal, unitary and symmetric linear transformations.

430. **Advanced Engineering Mathematics I.** 3 hrs. Prerequisites: MAT 280 and MAT 385. Introduction to Laplace Transforms and Fourier Series, with emphasis on solving ordinary and simple partial differential equations.

431. **Advanced Engineering Mathematics II.** 3 hrs. Prerequisite: MAT 430. Vector calculus and an introduction to complex variables, with emphasis on integral theorems and inte gration.

436. **Theory of Functions of a Complex Variable I.** 3 hrs. Prerequisite: MAT 280. Complex numbers and functions, limits, continuity, differentiation, analytic functions, branches, contour integration, series.

437. **Graph Theory.** 3 hrs. Prerequisite: MAT 340. An introduction to graphs and a sampling of their numerous and diverse applications.

439. **Combinatorics.** 3 hrs. Prerequisites: MAT 326, 340, and either 169 or 179. Counting and enumeration techniques, inversion formulas and their applications, and counting schemata relative to permutations of objects.

441. **Advanced Calculus I.** 3 hrs. Prerequisites: MAT 280 and 340. Point set theory, sequences, continuity, uniform continuity, limits, mean value theorems, L'Hospital's rule.

442. **Advanced Calculus II.** 3 hrs. Prerequisite: MAT 441. Riemann integration, Taylor's theorem, improper integrals, infinite series, uniform convergence.

457. **Methods in Mathematics-Secondary.** 3 hrs. A course designed to give the students a knowledge of the objectives, curriculum problems, and organization and methods of teaching secondary school mathematics. (Also offered as CIS 457.)

+ 460*. **Numerical Analysis I.** 3 hrs. Prerequisites: MAT 280, MAT 326, knowledge of a programming language. Methods of solving equations and systems of equations, error analysis, difference equations.

+ 461*. **Numerical Analysis II.** 3 hrs. Prerequisites: MAT 385, 460. Interpolating polynomials, numerical differentiation and integration, numerical solutions of differential equations, roundoff error.

472. **Modern Geometry.** 3 hrs. Prerequisites: MAT 280, MAT 316 or 326, and MAT 340. Heuristic and analytic treatment of a branch of modern geometry, such as projective or differential geometry.

473. **Metric Spaces.** 3 hrs. Prerequisite: MAT 340. Continuity, Hausdorff and countability axioms, products, Euclidean spaces, connectedness, compactness, Heine-Borel and Bolzano-Weirstrass theorems.

475. **General Topology I.** 3 hrs. Prerequisites: MAT 340 and MAT 169 or 179. General topological spaces, bases and subbases, continuity.

476. **General Topology II.** 3 hrs. Prerequisite: MAT 475. Connectedness, separation axioms, countability axioms, compactness, metrizability.

485. **Mathematical Modeling I.** 3 hrs. Prerequisites: MAT 280, MAT 316 or 326, MAT 385, and a programming language. An introduction to mathematical modeling using case studies. Projects and presentations are required.

486. **Mathematical Modeling II.** 3 hrs. Prerequisites: MAT 485 and advanced mathematics electives. Case studies in mathematical modeling requiring advanced techniques. Projects and presentations are required.

492. **Special Problems I, II.** 1-3 hrs. Prerequisite: Approval of department chair.

494. **Undergraduate Mathematics Seminars I, II.** 1 hr. Prerequisite: Consent of instructor. Topics of current interest.

*Students will use University computers and appropriate software as a part of course requirements.

MECHANICAL ENGINEERING TECHNOLOGY (MET—397)

\+ 201. **Computational Methods in Engineering Technology.** 3 hrs. Prerequisites: MAT 101 and 3 hours in a major. BASIC computer programming with application in various technology disciplines, mathematics, and physics.

\+ 260. **Vector Statics.** 3 hrs. Corequisite: MAT 280. Forces in 2 and 3 dimensions, equilibrium, structures, friction. Vector notation.

320. **Environmental Controls.** 3 hrs. Theory and practice of environmental control within closed spaces.

321. **Tools and Fixture Design.** 3 hrs. Prerequisite: INT 250. Design and fabrication of production tools, jigs, gages, etc., with emphasis on dimensional control.

\+ 322. **Applied Dynamics.** 3 hrs. Prerequisite: ACT 241. Fundamentals of dynamics; kinetics, periodic motion, and energy methods.

323. **Fluid Mechanics.** 3 hrs. Prerequisite: ACT 241. Fluid statics and applications of fluid dynamics principles to the analysis and design of fluid systems.

\+ 323-L. **Hydraulics Laboratory.** 1 hr.

330. **Applied Thermal Science I.** 3 hrs. Heat energy, heat flow, and basic thermodynamic principles.

331. **HVAC Design I.** 3 hrs. Prerequisite: MET 330. Basic A/C principles and concepts as applied to large commercial systems.

331-L. **HVAC Laboratory.** 1 hr.

332. **HVAC Design II.** 3 hrs. Prerequisite: MET 331. An advanced course in air conditioning systems design.

\+ 342-L. **Strength of Materials Laboratory.** 1 hr. Corequisite: ACT 342.

361. **Kinematics.** 3 hrs. Prerequisites: ACT 342, INT 250. Graphical and analytical analysis of mechanisms.

362. **Machine Design.** 3 hrs. Corequisite: ACT 342. Design and selection of mechanical elements used in machines. Computer-aided design and manufacturing.

392. **Special Problems.** 1-3 hrs. Prerequisites: Junior standing and approval of faculty adviser. Individual or group study in an area not covered by available courses.

\+ 400. **Senior Project.** 3 hrs. Prerequisite: Senior standing and approval of faculty adviser. Student required to complete a project in his area of specialization.

401. **Senior Project.** 3 hrs. Continuation of MET 400.

410. **Production Materials.** 3 hrs. Study of properties of materials for cutting, drilling, forming, and heat treating operations.

411. **Industrial Testing.** 3 hrs. Prerequisite: ACT 342. Destructive and nondestructive testing of materials and structures.

+ 420. **Robotics.** 3 hrs. Prerequisites: INT 250, or permission of instructor. Fundamentals of hydraulic, pneumatic, and electrically-controlled industrial robots. Robot geometry, installation and applications in industrial processes.

441. **Mechanical Energy Systems.** 3 hrs. Applications of thermodynamics to power producing devices.

444. **Solar Heating and Cooling.** 3 hrs. Solar energy conversion methods; collectors; residential, commercial heating and cooling, economics of solar energy. Total energy systems.

+ 444-L. **Solar Heating and Cooling Laboratory.** 1 hr.

492. **Special Problems.** 1-3 hrs. Prerequisites: Senior standing and approval of faculty adviser. Supervised study in area not covered by available courses.

MEDICAL TECHNOLOGY (MTC—354)

101. **Introduction to Medical Technology.** 1 hr. An introduction for incoming students to the scope, objectives, and requirements for a career in medical technology.

302. **Clinical Bacteriology I.** 3 hrs. Prerequisites: BSC 380 or permission of instructor. Evaluation of clinical specimens with regard to pathogenic microorganisms.

+ 302-L. **Clinical Bacteriology I Laboratory.** 2 hrs.

306. **Fundamentals of Hematology.** 3 hrs. Prerequisite: Permission of instructor. An introduction to the study of blood and blood forming organs.

+ 306-L. **Fundamentals of Hematology Laboratory.** 2 hrs.

309. **Clinical Chemistry I.** 3 hrs. Prerequisite: Permission of instructor. An introduction to the basic principles and methodology of clinical chemistry.

+ 309-L. **Clinical Chemistry I Laboratory.** 2 hrs.

400. **Applied Clinical Procedures.** 1 hr. Corequisite with first MTC 300 level course or permission of instructor. An introduction to clinical laboratory safety, instrumentation, mathematics, and analytical techniques.

400-L. **Applied Clinical Procedures Laboratory.** 2 hrs. Corequisite with first MTC 300 level course or permission of instructor. A laboratory emphasizing clinical laboratory safety, instrumentation, mathematics, and analytical techniques.

+ 401. **Body Fluids.** 2 hrs. Analysis of the physical, chemical, and microscopic parameters of urine with emphasis on understanding kidney function in diseases.

+ 402. **Clinical Bacteriology II.** 5 hrs. Laboratory methods of isolation, identification, and other testing of pathogenic bacteria and their etiologic role in disease.

+ 403. **Clinical Mycology.** 2 hrs. The study of pathogenic fungi. Emphasis is placed on laboratory methods of isolation and identification of medically important fungi.

+ 405. **Clinical Parasitology.** 2 hrs. The study of medically significant protozoan and helminthic parasites and their vectors. Emphasis is placed on laboratory methods of detection and identification of these organisms.

+ 406. **Hematology I.** 5 hrs. The study of blood cells and their abnormalities with emphasis on procedures of laboratory examination.

+ 407. **Clinical Serology I.** 3 hrs. An introduction to serologic testing, theory, and practical experience involving antigen-antibody reactions in relation to disease in humans.

+ 408. **Clinical Immunohematology.** 5 hrs. The theory and techniques of processing blood for transfusion and resolving incompatibilities.

+ 409. **Clinical Chemistry II.** 7 hrs. The qualitative and quantitative chemical analysis of blood, urine, cerebrospinal fluid, and other body fluids.

412. **Principles of Clinical Administration and Education.** 1 hr. Introduction of basic principles of clinical laboratory administration and education.

451. **Urinalysis.** 1 hr. Clinical education at one of the affiliated hospital laboratories.

452. **Clinical Microbiology.** 4 hrs. Clinical education at one of the affiliated hospital laboratories.

456. **Hematology II.** 3 hrs. Clinical education at one of the affiliated hospital laboratories.

457. **Clinical Serology II.** 1 hr. Clinical education at one of the affiliated hospital laboratories.

458. **Blood Bank.** 3 hrs. Clinical education at one of the affiliated hospital laboratories.

459. **Clinical Chemistry III.** 4 hrs. Clinical education at one of the affiliated hospital laboratories.

461. **Oncology.** 3 hrs. An introduction to the biological and clinical aspects of cancer.

492. **Special Problems in Medical Technology I, II, III, IV.** 2-8 hrs. Assignment of a specific clinical problem in medical technology under faculty direction. (Students undertaking a Seniors Honor Project will enroll in MTC H492.)

MILITARY SCIENCE (MS—276)

Basic Military Science

100. **Leadership Lab I.** 1 hr. A laboratory course which provides the MS I student an opportunity to apply hands-on skills learned in the class. May be repeated for total of 2 hrs.

111. **The Eagle Challenge.** 2 hrs. Introduction to Military Science with emphasis on leadership, military history, customs, traditions, branches, and development of self-confidence through adventure training.

114. **General Military Science I.** 2 hrs. Continuation of MS 111 with emphasis on leadership, ethics, writing skills, Soviet Military Power, map reading and first aid. Adventure training also provided. Leadership Laboratory I will be taken in conjunction with this course.

117. **Competitive Marksmanship.** 1 hr. A study and application of necessary techniques for becoming a skilled marksman. May be repeated for total of 4 hrs.

200. **Leadership Lab II.** 1 hr. A laboratory course which provides the MS II student an opportunity to apply hands-on skills learned in class. May be repeated for total of 2 hrs.

211. **Dynamics of Leadership.** 2 hrs. Familiarizes the student with basic leadership and technical military skills. These skills include leadership, map reading, first aid, and communicative skills. Leadership Laboratory II will be taken in conjunction with this course.

214. **Leadership in Action.** 2 hrs. An introduction to leadership action skills with emphasis on beliefs, values, ethics, counseling techniques and group interaction skills.

250. **ROTC Basic Camp.** 1-3 hrs. Six weeks of training at Fort Knox, Kentucky, conducted during the summer months for students who did not complete advanced course prerequisites during the freshman or sophomore academic years.

Advanced Military Science

301. **Individual and Small Unit Tactical Training.** 4 hrs. Prerequisites: Approval by Professor of Military Science. A study of the fundamentals of offensive and defensive tactics as pertains to the individual, squad, and platoon. Includes a leadership laboratory.

302. **Applications in Small Unit Tactical Training.** 4 hrs. Prerequisite: Approval by Professor of Military Science. A study and practical application in squad and platoon tactics and leadership. Includes a leadership laboratory.

350. **American Military Experience.** 3 hrs. Study of officership as a profession, the Army's role, traditional civil-military issues; policy, organizations, and key social, economic and political influencers.

401. **Leadership and Management I.** 4 hrs. Prerequisites: Approval by Professor of Military Science. A study and application of leadership and management as pertains to planning, conducting, and evaluating training, preparing and staffing actions, and the supervision and inspection of tactical operations. Includes a leadership lab.

402. **Leadership and Management II.** 4 hrs. Prerequisites: Approval by the Professor of Military Science. Expands leadership skills, teaches briefing techniques, introduces Army logistics, post and installation support, review of world threats and prepares the students for their new role as an officer. Includes a leadership lab.

492. **Special Projects.** 1-3 hrs.

MUSIC (MUS—675)

100. **Introduction to Music Theory.** 3 hrs. An introductory course in the fundamentals of music theory. Open to all University students. Credit for this course may not be applied toward degrees in Music or Music Education.

101. **Music Theory.** 3 hrs. Prerequisite: MUS 100 or approval of instructor. Scales, intervals, and part-writing using triads, the dominant seventh chord, non-harmonic tones, modulation, dictation, and sight-singing. Concurrent registration in MUS 101-L required. (JC 1214)

101-L. **Music Theory Laboratory.** 0 hrs.

102. **Music Theory.** 3 hrs. Prerequisite: MUS 101. A continuation of MUS 101. Concurrent registration in MUS 102-L required. (JC 1224)

102-L. **Music Theory Laboratory.** 0 hrs.

103. **Introduction to Careers in Music and the Music Industry.** 2 hrs. Prerequisite: Permission of instructor. An introductory course to familiarize students with the many varied career opportunities within the music industry.

105. **Music Industry Seminar.** 1 hr. Prerequisite: Permission of instructor. A weekly seminar to keep students abreast of trends and current state of ever-changing business and music industry world.

108. **Introduction to Church Music.** 3 hrs. Rudimentary knowledge and skills in church music. Credit may not be applied toward a degree in Music or Music Education.

131. **Introduction to Music Literature.** 2 hrs. A course dealing in listening skills, musical forms, styles, periods, and performing media. For majors in Music and Music Education only. (JC 1123, 2133, 2142, 2413, 2143, 2443, 2152, 2162)

164. **Afro-American Music.** 3 hrs. A study of Afro-American music from the colonial period to the present. Credit may not be applied to majors in Music or Music Education.

201. **Advanced Music Theory.** 3 hrs. Prerequisite: MUS 102. Part-writing, including secondary seventh chords, borrowed chords, altered chords, foreign modulation, dictation, and sight-singing. Concurrent registration in MUS 201-L required. (JC 2214)

201-L. **Advanced Music Theory Laboratory.** 0 hrs.

202. **Advanced Music Theory.** 3 hrs. Prerequisite: MUS 201. A continuation of MUS 201. Concurrent registration in MUS 202-L required. (JC 2224)

202-L. **Advanced Music Theory Laboratory.** 0 hrs.

205. **Music Industry Seminar.** 1 hr. (to be taken twice). Prerequisite: MUS 105 or permission of instructor. A continuation of MUS 105.

231. **History of Music.** 3 hrs. Prerequisites: MUS 131 and MUS 102. Music in Western civilization traced from its primitive sources to the present. (JC 2113, 2313)

232. **History of Music.** 3 hrs. Prerequisites: MUS 231 and MUS 102. A continuation of MUS 231. (JC 2123, 2323)

301. **Twentieth-Century Harmony.** 2 hrs. Prerequisites: MUS 202 and MUS 302. Investigation of the various styles and harmonic elements of 20th-Century music, coupled with practical applications.

302. **Form and Analysis.** 2 hrs. Prerequisite: MUS 202. Music of various periods is analyzed formally, harmonically, and contrapuntally.

303. **Survey of Music Industry I.** 3 hrs. Prerequisite: MUS 103, 105, 205, or permission of instructor. An in-depth study of the music industry to include: the music store, musical instruments, music reproducing instruments, performance, and U.S. copyright laws.

304. **Survey of the Music Industry II.** 3 hrs. Prerequisite: MUS 303 or permission of instructor. Continuation of in-depth study of music industry to include: books and magazines dealing with music, publishing, recorded music, teaching of music, non-commercial music, and musical promotion.

305. **Graded Church Choirs I.** 3 hrs. Materials and methods for organizing, promoting, training, and maintaining pre-school age and elementary school age choirs.

306. **Graded Church Choirs II.** 3 hrs. Organizing, developing, maintaining, and training volunteer youth and adult choirs (including senior citizens) in relationship to the total church program.

311. **Composition Class.** 2 hrs. Prerequisites: MUS 301 or permission of instructor. Composition in the smaller forms utilizing contemporary and stylistic techniques. (May be taken two times.)

321. **Counterpoint.** 2 hrs. Prerequisite: MUS 202 or permission of instructor. Two, three, and four-voice writing in the style of Palestrina.

322. **Counterpoint.** 2 hrs. Prerequisite: MUS 202 or permission of instructor. Two, three, and four-voice contrapuntal writing in the style of Bach.

351. **History of Church Music.** 3 hrs. History of Christian Church music, with emphasis on the use of literature.

360. **Stylistic Developments in Jazz.** 3 hrs. Study of the development of jazz idioms. Includes elements of jazz history leading to study of more complex idioms.

365. **The Enjoyment of Music.** 3 hrs. Study of the basic elements of music necessary for intelligent listening and appreciation. This course may not be applied toward a Bachelor of Music or Bachelor of Music Education degree, or a music minor.

366. **American Popular Music 1900-1980.** 3 hrs. A musical, socio-political study of popular music in America and its impact on U.S. Culture.

367. **Improvisation.** 1 hr. Study and performance of jazz improvisation.

368. **Improvisation.** 1 hr. A continuation of MUS 367.

375. **Beginning Techniques of Scoring for Jazz Ensembles.** 2 hrs. Study in composing and arranging music for jazz ensembles.

376. **Intermediate Techniques of Scoring for Jazz Ensembles.** 2 hrs. A continuation of MUS 375.

400. **Music in Italy Today.** 3 hrs. Prerequisites: MUS 202 and 232, and/or approval of instructor. A contemporary view of opera, orchestral, instrumental/chamber, and film music examining Italy's historical musical heritage in terms of its impact on current artistic trends.

401. **Instrumentation.** 3 hrs. Prerequisite: MUS 202. Study of the instruments of the band and orchestra. Scoring for instrumental ensembles.

405. **Music Industry Seminar.** 1 hr. (to be taken twice). Prerequisite: MUS 105, 205, or permission of instructor. A continuation of MUS 205.

406. **Music Industry Internship.** 9 hrs. Prerequisite: MUS 103, 304, 405, or permission of instructor. A nine-week supervised internship in a professional setting in the music industry.

411. **Music for Film, Radio/Television, and Theatre.** 3 hrs. Prerequisite: Permission of instructor. A theoretical and practical study of the usage of music in film, radio/television, and theatre.

415. **Music Scoring for Film, Radio/Television, and Theatre.** 3 hrs. Prerequisite: Permission of instructor. A study of original music composition as it pertains to film, radio/television, and theatre.

423. **The Organ in Worship.** 3 hrs. A study of elementary principles of construction and design, and of effective use in church service, including appropriate organ literature.

431. **History of Opera.** 3 hrs. The history of the musical theatre from Greek drama to the present. Open to non-music majors with consent of instructor.

432. **American Music.** 3 hrs. Study of the development of music in North America. Open to non-music majors with consent of instructor.

433. **20th-Century Music.** 3 hrs. Examination of musical trends since Debussy and Mahler. Open to non-music majors with consent of instructor.

434. **Ancient, Medieval, and Renaissance Music.** 3 hrs. A study of music in the ancient world, and of Western music from early Christian times through the sixteenth century. Open to non-majors with consent of instructor.

435. **Baroque Music.** 3 hrs. The development of musical styles and forms from Monteverdi through J.S. Bach. Open to non-music majors with the consent of instructor.

436. **18th-Century Music.** 3 hrs. The development of classical styles and forms, emphasis on style gallant, Empfindsamer Stil, and the Viennese classicists. Open to non-music majors with consent of instructor.

437. **19th-Century Music.** 3 hrs. The development of musical romanticism, emphasis on the expression of classical forms and the appearance of new stylistic concepts. Open to non-music majors with consent of instructor.

439. **Diction.** 3 hrs. Introduction to phonetics of various foreign languages for singing. May be repeated once. Second registration permitted only when languages emphasized are different.

440. **Vocal Literature.** 2 hrs. Survey of solo vocal literature from the Renaissance to the present. Emphasis upon style, interpretation, and presentation of solo materials for all voice classifications.

441. **Vocal Literature.** 2 hrs. A continuation of MUS 440.

442. **Keyboard History and Literature I.** 3 hrs. The history and literature of keyboard music from pre-Baroque times through the works of Beethoven.

443. **Keyboard History and Literature II.** 3 hrs. The history and literature of keyboard music after Beethoven to the present.

444. **Organ Literature.** 2 hrs. Required of all organ majors.

445. **Organ Literature.** 2 hrs. A continuation of MUS 444.

446. **Instrumental Literature.** 2 hrs. Required of all senior instrumental majors.

447. **Instrumental Literature.** 2 hrs. A continuation of MUS 446.

448. **Choral Literature I.** 3 hrs. Choral Literature from Gregorian Chant through the Baroque Period. Will include materials for school and church choirs as well as masterworks.

449. **Choral Literature II.** 3 hrs. Choral Literature from the Classical Period to the present. Will include materials for school and church choirs as well as standard masterworks.

450. **Symphonic Literature.** 3 hrs. History and literature of the symphony orchestra from 1600 to the present. Open to non-music majors with consent of instructor.

451. **Chamber Music Literature.** 3 hrs. A survey of music for small instrumental ensembles. Open to non-music majors with consent of instructor.

452. **Band Literature I.** 2 hrs. A survey of band literature, grades I through IV.

453. **Church Music Literature and Materials.** 3 hrs. Church music repertoire for all choirs and handbells. Supplementary materials such as teaching aids will also be included.

455. **Arranging for the Marching Band.** 3 hrs. Designed to provide the arranger with the essential techniques of scoring for the outdoor band. Course will focus on the study of existing arrangements.

456. **Choral Arranging.** 2 hrs. Basic concepts and techniques of scoring for voices, with emphasis on arranging rather than on original compositions for chorus.

460. **Administration of Church Music.** 3 hrs. Administrative procedures for the total music program of the church, including basic philosophy, planning, budgeting, promotion, training music leaders, and developing program goals.

462. **Hymnology.** 3 hrs. History of the Christian hymn from its roots to present-day form.

467. **Improvisation.** 1 hr. A continuation of MUS 368.

468. **Improvisation.** 1 hr. A continuation of MUS 467.

470. **Organization and Management of Jazz Ensembles.** 3 hrs. Studies in general management of commerical and academically-oriented jazz groups.

471. **Seminar in Masterpieces of Music.** 3 hrs. Prerequisite: MUS 232 or consent of instructor. A thorough exploration of major compositions. May be taken two times. May be taken by non-music majors.

475. **Advanced Techniques of Scoring for Jazz Ensembles.** 2 hrs. A continuation of MUS 376.

476. **Advanced Techniques of Scoring for Jazz Ensembles.** 2 hrs. A continuation of MUS 475.

492. **Special Problems.** 1-3 hrs. Prerequisite: Permission of department chair.

499. **British Studies in Music.** 3-6 hrs. Prerequisite: MUS 202 and MUS 232, and/or approval of instructor. A contemporary view of opera, orchestral, instrumental/chamber, and popular music examining Britain's historical musical heritage in terms of its impact on current artistic trends.

MUSIC EDUCATION (MED—680)

100. **Introductory Class Piano** 2 hrs. Beginning class instruction in piano for non-music majors. Credit may not be applied toward a degree in Music or Music Education.

101. **Class Piano I.** 2 hrs. Beginning class instruction in piano for music majors. Non-majors may be admitted with permission of instructor.

102. **Class Piano II.** 2 hrs. Prerequisite: MED 101 or permission of instructor. Intermediate class instruction in piano.

219. **Guitar Class I.** 1 hr. Class instruction in guitar for beginners.

220. **Guitar Class II.** 1 hr. Prerequisite: MED 219 or approval of instructor. Intermediate class instruction in guitar.

221. **String Class.** 1 hr. Practical class instruction on all strings. Problems of beginning students; material for public school classes.

222. **String Class.** 1 hr. A continuation of MED 221.

301. **Voice Class.** 2 hrs. Designed to give the instrumental major a general knowledge of vocal and choral techniques.

311. **Elementary Music Methods.** 3 hrs. Music education programs for the elementary student. Emphasis is placed on the total curriculum.

312. **Secondary Music Methods.** 3 hrs. Prerequisite: MED 311. Consideration of the secondary music program. Special attention is given to the development of a balanced curriculum.

321. **String Methods.** 1 hr. Instruction on all strings for students not following the curriculum in instrumental music education.

322. **Woodwind Methods.** 1 hr. Instruction on clarinet, flute, oboe, and bassoon for students not following the curriculum in instrumental music education.

323. **Brass Methods.** 1 hr. Instruction on all brasses for students not following the curriculum in instrumental music education.

331. **Conducting.** 1 hr. Prerequisite: MUS 202 or consent of instructor. Techniques of choral and instrumental conducting.

332. **Instrumental Conducting.** 2 hrs. A continuation of MED 331. Emphasis on techniques used in conducting instrumental ensembles.

333. **Choral Conducting.** 2 hrs. A continuation of MED 331. Emphasis on techniques used in conducting choral ensembles.

361. **Music for Elementary Teachers I.** 3 hrs. Designed to provide students with a basic knowledge of notation, singing, and the use of the autoharp and piano. Credit for this course may not be applied toward degrees in Music or Music Education.

382. **Recreational Music.** 3 hrs. Prerequisite: MED 361 or consent of instructor. Materials and techniques useful in developing recreational music programs.

390. **Piano Workshop.** 2 hrs. Designed to meet the needs of the piano teacher, including a survey of materials and modern teaching methods. Credit for this course may not be applied toward degrees in Music and Music Education.

391. **Instrumental Workshop.** 2 hrs. Survey and analysis of problems relating to instrumental music education through lecture, performance, and discussion. Credit for this course may not be applied toward degrees in Music and Music Education.

392. **Choral Workshop.** 2 hrs. Examination, study, and analysis of choral techniques and procedures. Credit for this course may not be applied toward degrees in Music and Music Education.

393. **Elementary Music Workshop.** 2 hrs. Intensive examination of current problems, trends, and materials in elementary music education. Credit for this course may not be applied toward degrees in Music and Music Education.

395. **Instrumental Conductors Conference.** 2 hrs. Survey and analysis of problems relating to instrumental music. Credit for this course may not be applied toward degrees in Music and Music Education. May be taken three times (total of 6 hours).

396. **Choral Conductors Conference.** 2 hrs. Survey and analysis of choral techniques. Credit for this course may not be applied toward degrees in Music and Music Education.

410. **Teaching and Learning Music.** 3 hrs. Prerequisites: MED 312, Basic sequence of Education Core and COMP test. Principles, goals, objectives and evaluation of music teaching.

411. **Choral Methods and Curriculum Problems.** 3 hrs. Organization and administration of choral activities in secondary schools.

412. **Instrumental Methods and Curriculum Problems.** 3 hrs. Techniques of developing successful marching/concert bands and orchestras. Emphasis on current trends in music education.

421. **Woodwind Class.** 1 hr. Study of basic techniques in the pedagogy of all major woodwind instruments.

422. **Woodwind Class.** 1 hr. A continuation of MED 421.

424. **Instrument Repair.** 3 hrs. Practical experience in preventive maintainance and minor repair and adjustment of string, woodwind, brass, and percussion instruments.

425. **Brass Class.** 1 hr. Study of basic techniques in the pedagogy of all brass instruments.

426. **Brass Class.** 1 hr. A continuation of MED 425.

427. **Percussion Class.** 1 hr. Review of percussion texts, techniques, and pedagogy. Percussion majors may substitute a brass, string, or woodwind minor instrument for MED 427.

428. **Percussion Class.** 1 hr. A continuation of MED 427.

429. **Piano Tuning and Repair.** 3 hrs. Prerequisite: Approval of instructor. Study of basic technique of tuning and repairing pianos.

439. **Vocal Techniques and Materials.** 3 hrs. Techniques and procedures for teaching correct vocal production habits; examination of choral literature for secondary and collegiate groups.

440. **Music Education in the Elementary Schools.** 3 hrs. Prerequisites: MED 311, 312. An in-depth course which examines current techniques and methods of music programs in upper and lower elementary grades.

441. **Workshop in Choral Methods and Materials I.** 3 hrs. A study of choral pedagogy and literature for grades 6-12. May not apply toward degrees in Music or Music Education.

442. **Workshop in Choral Methods and Materials II.** 3 hrs. A study of choral pedagogy and literature for grades 6-12. May not apply toward degrees in Music or Music Education.

443. **Workshop in Choral Methods and Materials III.** 3 hrs. A study of choral pedagogy and literature for grades 6-12. May not apply toward degrees in Music or Music Education.

450. **Vocal Pedogogy.** 2 hrs. Techniques, practices, and materials used in teaching voice; practical experience in teaching voice.

451. **Vocal Pedagogy.** 2 hrs. Prerequisite: MED 450. A continuation of MED 450.

452. **Piano Pedagogy.** 2 hrs. Modern methods of teaching; lectures, observation of private and class lessons; teaching piano to adults. Required of all senior piano majors.

453. **Piano Pedagogy.** 2 hrs. A continuation of MED 452.

454. **Organ Pedagogy.** 2 hrs. Required of all senior organ majors.

455. **Organ Pedagogy.** 2 hrs. A continuation of MED 454.

456. **String Pedagogy.** 2 hrs. Required of all senior string majors.

457. **String Pedagogy.** 2 hrs. A continuation of MED 456.

458. **Wind Pedagogy.** 2 hrs. Required of all senior wind majors.

459. **Wind Pedagogy.** 2 hrs. A continuation of MED 458.

490. **Piano Workshop.** 2 hrs. A continuation of MED 390. Credit for this course may not be applied toward degrees in Music and Music Education.

491. **Instrumental Workshop.** 2 hrs. A continuation of MED 391. Credit for this course may not be applied toward degrees in Music and Music Education.

492. **Choral Workshop.** 2 hrs. A continuation of MED 392. Credit for this course may not be applied toward degrees in Music and Music Education.

493. **Student Teaching in Music Education.** 3-12 hrs.

497. **Elementary Music Workshop.** 2 hrs. A continuation of MED 393. Credit for this course may not be applied toward degrees in Music or Music Education.

495. **Instrumental Conductors Conference.** 2 hrs. Survey and analysis of problems relating to instrumental music. Credit for this course may not be applied toward degrees in Music and Music Education. May be taken three times (total of 6 hours).

496. **Choral Conductors Conference.** 2 hrs. Survey and analysis of choral techniques. Credit for this course may not be applied toward degrees in Music and Music Education. May be taken three times (total of 6 hours).

MUSIC PERFORMANCE STUDIES (MUP—670)

First Year

101-102- +103. **Piano.** 1-3 hrs.

104-105- +106. **Harpsichord.** 1-3 hrs.

111-112- +113. **Organ.** 1-3 hrs.

114-115- +116. **Flute.** 1-3 hrs.

117-118- +119. **Oboe.** 1-3 hrs.

120-121- +122. **Clarinet.** 1-3 hrs.

123-124- +125. **Saxophone.** 1-3 hrs.

126-127- +128. **Bassoon.** 1-3 hrs.

129-130- +131. **Horn** 1-3 hrs.

132-133- +134. **Trumpet.** 1-3 hrs.

135-136- +137. **Trombone.** 1-3 hrs.

138-139- +140. **Euphonium.** 1-3 hrs.

141-142- +143. **Tuba.** 1-3 hrs.

144-145- +146. **Violin.** 1-3 hrs.

147-148- +149. **Viola.** 1-3 hrs.

150-151- +152. **Cello.** 1-3 hrs.

153-154- +155. **String Bass.** 1-3 hrs.

156-157- +158. **Percussion.** 1-3 hrs.

161-162- +163. **Voice.**

164-165- +166. **Harp.** 1-3 hrs.

167-168- +169. **Guitar.** 1-3 hrs.

171-172. **Chamber Music.** 1 hr.

181. **Orchestra.** 1 hr. (May be taken two times)

182. **Band.** 1 hr. (May be taken two times) (JC 1111, 1121)

183. **University Chorale.** 1 hr. (May be taken two times) (JC 1211, 1221)

184. **Jazz Lab Band.** 1 hr. (May be taken two times)

185. **Collegium Musicum.** 1 hr. (May be taken two times)

186. **Oratorio Chorus.** 1 hr. (May be taken two times)

188. **University Singers.** 1 hr. (May be taken two times)

189. **Chamber Singers.** 1 hr. An ensemble functioning in various ways such as madrigal singers, jazz choir, opera chorus. (May be taken two times.)

191-192- +193. **Composition.** 1-3 hrs.

199. **Recital Class.** 0 hrs. (Two semesters)

Second Year

201-202. **Piano.** 1-3 hrs.

204-205. **Harpsicord.** 1-3 hrs.

211-212. **Organ.** 1-3 hrs.

214-215. **Flute.** 1-3 hrs.

217-218. **Oboe.** 1-3 hrs.

220-221. **Clarinet.** 1-3 hrs.

223-224. **Saxophone.** 1-3 hrs.

226-227. **Bassoon.** 1-3 hrs.

229-230. **Horn.** 1-3 hrs.

232-233. **Trumpet.** 1-3 hrs.

235-236. **Trombone.** 1-3 hrs.

238-239. **Euphonium.** 1-3 hrs.

241-242. **Tuba.** 1-3 hrs.

244-245. **Violin.** 1-3 hrs.

247-248. **Viola.** 1-3 hrs.

250-251. **Cello.** 1-3 hrs.

253-254. **String Bass.** 1-3 hrs.

256-257. **Percussion.** 1-3 hrs.

261-262. **Voice.**

264-265. **Harp.** 1-3 hrs.

267-268. **Guitar.** 1-3 hrs.

271-272. **Chamber Music.** 1 hr.

281. **Orchestra.** 1 hr. (May be taken two times)

282. **Band.** 1 hr. (May be taken two times) (JC 2111, 2121)

283. **University Chorale.** 1 hr. (May be taken two times) (JC 2211, 2221)

284. **Jazz Lab Band.** 1 hr. (May be taken two times)

285. **Collegium Musicum.** 1 hr. (May be taken two times)

286. **Oratorio Chorus.** 1 hr. (May be taken two times)

288. **University Singers.** 1 hr. (May be taken two times)

289. **Chamber Singers.** 1 hr. An ensemble functioning in various ways such as madrigal singers, jazz choir, opera chorus. (May be taken two times.)

291-292. **Composition.** 1-3 hrs.

299. **Recital Class.** 0 hrs. (Two semesters)

Third Year

301-302- +303. **Piano.** 1-3 hrs.

304-305- +306. **Harpsichord.** 1-3 hrs.

311-312 + 313. **Organ.** 1-3 hrs.

314-315- +316. **Flute.** 1-3 hrs.

317-318- +319. **Oboe.** 1-3 hrs.

320-321- +322. **Clarinet.** 1-3 hrs.

323-324- +325. **Saxophone.** 1-3 hrs.

326-327- +328. **Bassoon.** 1-3 hrs.

329-330- +331. **Horn.** 1-3 hrs.

332-333- +334. **Trumpet.** 1-3 hrs.

335-336- +337. **Trombone.** 1-3 hrs.

338-339- +340. **Euphonium.** 1-3 hrs.

341-342- +343. **Tuba.** 1-3 hrs.

344-345- +346. **Violin.** 1-3 hrs.

347-348- +349. **Viola.** 1-3 hrs.

350-351- +352. **Cello.** 1-3 hrs.

353-354- +355. **String Bass.** 1-3 hrs.

356-357- +358. **Percussion.** 1-3 hrs.

361-362- +363. **Voice.** 1-3 hrs.

364-365- +366. **Harp.** 1-3 hrs.

367-368- +369. **Guitar.** 1-3 hrs.

370. **Recital.** 0-1 hr.

371-372. **Chamber Music.** 1 hr.

375-376. **Accompanying.** 1 hr.

380. **Jazz Combo.** 1 hrs. (May be taken two times.)

381. **Orchestra.** 1 hr. (May be taken two times)

382. **Band.** 1 hr. (May be taken two times)

383. **University Chorale.** 1 hr. (May be taken two times)

384. **Jazz Lab Band.** 1 hr. (May be taken two times)

385. **Collegium Musicum.** 1 hr. (May be taken two times)

386. **Oratorio Chorus.** 1 hr. (May be taken two times)

388. **University Singers.** 1 hr. (May be taken two times)

389. **Chamber Singers.** 1 hr. An ensemble functioning in various ways such as madrigal singers, jazz choir, opera chorus. (May be taken two times.)

390. **Opera Theatre.** 1 hr. (May be taken two times.)

391-392- +393. **Composition.** 1-3 hrs.

399. **Recital Class.** 0 hrs. (Two semesters)

Fourth Year

401-402. **Piano.** 1-3 hrs.

404-405. **Harpsichord.** 1-3 hrs.

411-412. **Organ.** 1-3 hrs.

414-415. **Flute.** 1-3 hrs.

417-418. **Oboe.** 1-3 hrs.

420-421. **Clarinet.** 1-3 hrs.

423-424. **Saxophone.** 1-3 hrs.

426-427. **Bassoon.** 1-3 hrs.

429-430. **Horn.** 1-3 hrs.

432-433. **Trumpet.** 1-3 hrs.

435-436. **Trombone.** 1-3 hrs.

438-439. **Euphonium.** 1-3 hrs.

441-442. **Tuba.** 1-3 hrs.

444-445. **Violin.** 1-3 hrs.

447-448. **Viola.** 1-3 hrs.

450-451. **Cello.** 1-3 hrs.

453-454. **String Bass.** 1-3 hrs.

456-457. **Percussion.** 1-3 hrs.

461-462. **Voice.** 1-3 hrs.

464-465. **Harp.** 1-3 hrs.

467-468. **Guitar.** 1-3 hrs.

470. **Recital.** 1-2 hrs.

471-472. **Chamber Music.** 1 hr.

475-476. **Accompanying.** 1 hr.

480. **Jazz Combo.** 1 hr. (May be taken two times.)

481. **Orchestra.** 1 hr. (May be taken two times)

482. **Band.** 1 hr. (May be taken two times)

483. **University Chorale.** 1 hr. (May be taken two times)

484. **Jazz Lab Band.** 1 hr. (May be taken two times)

485. **Collegium Musicum.** 1 hr. (May be taken two times)

486. **Oratorio Chorus.** 1 hr. (May be taken two times)

488. **University Singers.** 1 hr. (May be taken two times)

489. **Chamber Singers.** 1 hr. An ensemble functioning in various ways such as madrigal singers, jazz choir, opera chorus. (May be taken two times.)

490. **Opera Theatre.** 1 hr. (May be taken two times.)

491-492. **Composition.** 1-3 hrs.

499. **Recital Class.** 0 hrs. (Two semesters)

NURSING (NSG—070)

NOTE: Students must be advised by their nursing faculty adviser for progression through the nursing program.

307. **Commonalities in Nursing Practice.** 4 hrs. Permission of instructor. Prerequisites: Understanding of common factors permeating all areas of nursing practice.

308. **Pathophysiology and Pharmacology.** 6 hrs. Prerequisite: Permission of instructor. Understanding effects of pathology on body processes. Understanding of the effects of drugs on body functions.

309. **Nursing Throughout the Life Cycle.** 10 hrs. Prerequisite: Permission of instructor. Understanding of nursing care for acute and recoverable disease through all phases of the life cycle.

310. **Nursing of Individuals with Prolonged Illnesses.** 10 hrs. Prerequisite: Permission of instructor. Understanding of nursing knowledge for persons experiencing diseases of undetermined origin and long-term illnesses.

312. **Introduction to the Role of the Professional Nurse.** 3 hrs. Prerequisite: Certification to upper division nursing major. This course serves as an introduction to nursing as a professional discipline.

313. **Introduction of Nursing Practice.** 3 hrs. Two theory contact hours per week and 2 laboratory contact hours per week. Prerequisite: Certification to upper division nursing major. Introduction to nursing skills, physical assessment, pharmacology.

325. **Adult Health Nursing I.** 5 hrs. Two theory contact hours per week. Prerequisites: NSG 312, 313. Pre- or Corequisite: NSG 344. Nursing management of clients with assimilation, elimination, altered mobility problems.

325-L. **Adult Health Nursing Laboratory.** 0 hrs. Six clinical contact hours per week. Corequisite to NSG 325.

326. **Research.** 2 hrs. Prerequisite: NSG 312. An exploration of the research process with emphasis on applicability to nursing process.

327. **Nursing Care of Women and Developing Families.** 7 hrs. Four theory contact hours per week. Prerequisites: NSG 325, 344. Application of the nursing process with women and child bearing families.

327-L. **Nursing Care of Women and Developing Families Laboratory.** 0 hrs. Six clinical contact hours per week. Corequisite to NSG 327.

328. **Adult Health Nursing II.** 6 hrs. Three theory contact hours per week. Prerequisite: NSG 325. Management of client with altered endocrine, CV, respiratory, sensory, pancreatic-hepatobiliary functions and immunologic problems.

328-L. **Adult Health Nursing Laboratory II.** 0 hrs. Six clinical contact hours per week. Corequisite: NSG 328.

344. **Health Deviations.** 4 hrs. Prerequisites: Certification to Upper Division Nursing. An analysis of altered body physiology in health deviations.

\+ 403. **Approaches to Nursing.** 3 hrs. Corequisites: Admission to nursing major and all non-nursing courses. Personal, philosophical, and theoretical approaches to nursing.

406. **Death and Bereavement.** 3 hrs. An examination of research and theory related to death and bereavement.

412. **Child Health Nursing.** 7 hrs. Four theory contact hours per week. Prerequisites: NSG 327, 328. Application of the nursing process with children and their families.

412-L. **Child Health Nursing Laboratory.** 0 hrs. Six clinical contact hours per week. Corequisite: NSG 412.

413. **Psychiatric/Mental Health Nursing.** 7 hrs. Four theory contact hours per week. Prerequisites: NSG 327, 328. Application of the nursing process with clients experiencing psychiatric/mental health disorders.

413-L. **Psychiatric/Mental Health Nursing Laboratory.** 0 hrs. Six clinical contact hours per week. Corequisite: NSG 413.

419. **The Computer as a Nursing Tool.** 3 hrs. Exposure to the computer and examination of nursing applications.

426. **Nursing of the Chronically Mentally Ill.** 3 hrs. Prerequisites: NSG 324, 334L. The adaption of nursing agency to assist the chronically mentally ill.

427. **Community Health Nursing.** 7 hrs. Four theory contact hours per week. Prerequisites: NSG 412, 413. Application of the nursing process with individuals, families and groups in the community.

427-L. **Community Health Nursing Laboratory.** 0 hrs. Six clinical contact hours per week. Corequisite: NSG 427.

428. **Adult Health Nursing III.** 6 hrs. Three theory contact hours per week. Prerequisites: NSG 412, 413. Application of nursing process to adults with complex and life-threatening health deviations.

428-L. **Adult Health Nursing Laboratory III.** 0 hrs. Six clinical contact hours per week. Corequisite: NSG 428.

429. **Leadership Role of the Professional Nurse.** 5 hrs. Three theory contact hours per week. Prerequisites or Corequisite: NSG 427, 428. Exploration of the role of the professional nurse as a leader.

429-L. **Leadership Role of the Professional Nurse Laboratory.** 0 hrs. Four clinical contact hours per week. Corequisite: NSG 429. Leadership practicum in professional nursing.

436. **Hospice: Concept and Application.** 3 hrs. Prerequisite: Senior Level. Explores concept and operationalization with emphasis on legislation, funding, referrals, advocacy.

437. **Abusive Behavior: An Exploration.** 3 hrs. An interdisciplinary exploration of abusive behavior across the life span.

438. **Health Care Financing in the 1980's.** 3 hrs. Prerequisite: R.N. Licensure. Survey of health economics, finance theory, cost control, prospective reimbursement, trends.

440. **Oncology Nursing** 3 hrs. Major issues relevant to the care of the oncology patient will be examined.

451. **Nursing Leadership and Management.** 3 hrs. Designed to enrich the student's knowledge of nursing leadership and management within the framework of health care facilities.

452. **Teaching in Nursing.** 3 hrs. Elective. Basic principles of learning and teaching as applied to nursing.

453. **Basic Assessment.** 3 hrs. Prerequisite: R.N. Licensure. Comprehensive health assessment; emphasis on health history, systematic physical assessment.

489. **Caribbean Studies: Health Care Delivery System.** 3 hrs. Various topics.

491. **Austrian Studies.** 3 hrs. Variable topics.

492. **Directed Study of Nursing.** 1-6 hrs. Permission of instructor required. (Students undertaking a Senior Honors Project will enroll in NSG H492 for 3 hours).

493. **Health Care of the Elderly in England.** 3 hrs. This course is designd to explore the effects on the family of providing care for the dependent elderly.

494. **Health Care in England.** 3 hrs. Comparison of health care system in U.S. and England. Philosophies of health and nursing in a community are explored.

495. **Management and Economics of Health Care.** 3-6 hrs. Prerequisite: Senior level. U.S. and British health system, financing, administration, and nursing management.

496. **Nursing: The British Heritage.** 3 hrs. The evolvement of modern nursing in England within the context of international, social, economic and political events.

497. **Emergency Nursing: A British View.** 3 or 6 hrs. Prerequisite: Senior level. Introduction to the British health system and roles assumed by British emergency nurses.

498. **Families of the Developmentally Disabled.** 3 hrs. Prerequisite: Senior standing or Permission of instructor. Interdisciplinary approach to the study of families of the developmentally disabled.

499. **British Studies: Hospice Study and Experience.** 3 hrs. Prerequisite: Permission of instructor. Introduction to hospice concept and symptom control in special units, hospitals and homes. British caregivers will present origin and current application of hospice concept.

PARALEGAL STUDIES (PLS—282)

381. **Introduction to Paralegalism.** 3 hrs. An introduction to the field of paralegalism including the history and scope of the profession.

382. **Civil Litigation.** 3 hrs. An introduction to the mechanics of civil litigation.

383. **Legal Research.** 3 hrs. A summary of primary and secondary legal sources including reports, digests, statutes, citations, and other basic materials used in legal research.

384. **Legal Drafting.** 3 hrs. An introduction to writing legal memoranda, briefs, and other documents used in civil and criminal practice.

386. **Equity Practice.** 3 hrs. A study of the documents and procedures used in equity law.

389. **Internship in Paralegal Studies.** 1-9 hrs. Prerequisites: PLS 381, 382, 383, and 384 and permission of the Director. The course is open only to paralegal majors and minors.

PHILOSOPHY (PHI—284)

151. **Introduction to Philosophy.** 3 hrs. An introduction to the methods and major themes of philosophy. (JC 2113, 2123)

216. **Science and Values.** 3 hrs. An investigation into the origins of science in Western culture with special emphasis on the scientific revolution and its impact on the relationship of facts and values.

253. **Logic.** 3 hrs. An introduction to induction, deduction, fallacies, scientific method, and symbolic logic. (JC 2713)

310. **Classical Philosophy.** 3 hrs. An outline survey of Greek philosophical thought.

312. **Modern Philosophy.** 3 hrs. Survey of 17th and 18th century European philosophy.

352. **Oriental Philosophy.** 3 hrs. A survey of the philosophical thought of India and the Far East.

353. **Study of a Major Philosopher.** 3 hrs. May be repeated for credit to a total of nine hours. A detailed examination of a selected philosopher.

354. **Theories of Knowledge.** 3 hrs. An examination of classical and contemporary theories in epistemology.

356. **Ethics.** 3 hrs. An examination of classical and contemporary moral theory.

372. **Philosophy of Religion.** 3 hrs. An examination of classical problems in philosophical theology.

406. **Philosophy of Man.** 3 hrs. Philosophical consideration of the nature of man including topics in philosophical anthropology and philosophy of mind.

420. **Metaphysics.** 3 hrs. Analysis of classical and contemporary problems in metaphysics.

436. **Aesthetics.** 3 hrs. Philosophical analysis of theories of art and beauty.

440. **American Philosophy.** 3 hrs. Survey of the development of philosophy in America and major American philosophers.

450. **Existentialism and Phenomenology.** 3 hrs. An examination of the central themes in contemporary European existentialism and phenomenology.

451. **Political Philosophy.** 3 hrs. The major schools of political philosophy from classical to contemporary times.

452. **Philosophy of Health Care.** 3 hrs. An examination of various conceptual and ethical issues in the health care professions.

453. **Philosophy of Law.** 3 hrs. An inquiry into theories of law.

456. **Philosophy of Science.** 3 hrs. Examination of the foundations of science and scientific explanation.

458. **Symbolic Logic.** 3 hrs. The basic theory and operations of the propositional calculus, quantification, and the logic of relations.

460. **Analytic Philosophy.** 3 hrs. An examination of the central themes in contemporary British-American analytic philosophy.

482. **General Value Inquiry.** 3 hrs. Emphasizes activities and theory in 3 major areas: values clarification; moral development; and ethical reasoning.

492. **Special Problems.** 3 hrs. A problem study to be approved by the department chairman. May be taken for a total of nine hours. (Students undertaking a Senior Honors Project will enroll in PHI H492.)

499. **British Studies: Philosophy.** 3-6 hrs. An introduction to the language and techniques of philosophy relevant to practical, critical problems.

PHYSICAL EDUCATION (PED—730)

100. **Aerobics with Rhythm.** 1 hr.

101. **Aerobics with Weights.** 1 hr.

105. **Concepts in Physical Fitness.** 1 hr. The course is designed to develop understanding in the conceptual knowledge of health and fitness in the development and maintenance of human wellness.

118. **Team Sports.** 1 hr.

119. **Beginning Volleyball.** 1 hr.

130. **Four Wall Sports.** 1 hr.

131. **Fencing.** 1 hr.

132. **Beginning Badminton.** 1 hr.

133. **Beginning Archery.** 1 hr.

134. **Beginning Golf.** 1 hr.

135. **Beginning Yoga.** 1 hr.

+ 136. **Bowling.** 1 hr.

140. **Bicycling.** 1 hr.

141. **Beginning Tennis.** 1 hr.

142. **Snow Skiing.** 1 hr.

143. **Roller Dance Skating.** 1 hr.

146. **Developmental Skills.** 1 hr. PED majors or minors only.

147. **Developmental Skills.** 1 hr. PED majors or minors only.

148. **Developmental Skills.** 1 hr. PED majors or minors only.

150. **Tumbling, Beam, and Floor Exercises.** 1 hr.

151. **Tumbling, Uneven Parallel Bars, and Vaulting.** 1 hr.

152. **Men's Beginning Gymnastics Apparatus.** 1 hr.

153. **Beginning Trampoline.** 1 hr.

160. **Beginning Swimming.** 1 hr.

163. **Aquatic Sports.** 1 hr.

170. **Sport Judo.** 1 hr.

+ 171. **Western Horsemanship.** 1 hr.

+ 172. **Introduction to Horseshowing.** 1 hr.

+ 173. **English Horsemanship.** 1 hr.

181. **Beginning Social Dance.** 1 hr.

184. **Beginning Square Dance.** 1 hr.

218. **Officiating Techniques in Women's Sports.** 3 hrs.

220. **Introduction to Health and Physical Education.** 3 hrs. Survey of the areas of health and physical education.

250. **Women's Intermediate Gymnastics Apparatus.** 1 hr.

284. **Creative Rhythms.** 3 hrs.

301. **Kinesiology.** 3 hrs. Analysis of movement in body mechanics.

302. **Techniques for Evaluating Fitness.** 3 hrs. This course provides the student with the necessary cognitive skills and appropriate lab experiences to evaluate fitness in a systematic and safe manner.

303. **Evaluation in Health and Physical Education.** 3 hrs. Administration and interpretation of tests in health, physical fitness, and skills.

304. **Nutrition and Sport Performance.** 3 hrs. The analysis and synthesis of available literature relative to nutrition and human performance.

310. **Special Topics Seminar.** 1 hr.

314. **Instructional Techniques in Team Sports.** 3 hrs.

320. **Preschool and Primary School Physical Education.** 3 hrs. An introduction to philosophy, objectives, methods, and curriculum content.

321. **Elementary and Middle School Physical Education.** 3 hrs. Philosophy, objectives, methods, and curriculum.

323. **Efficiency of Human Movement.** 3 hrs. A study of the mechanical principles affecting human movement.

326. **Instructional Techniques in Individual and Dual Sports.** 3 hrs.

334. **Golf.** 1 hr.

341. **Tennis.** 1 hr.

360. **Theory of Teaching Swimming and Diving.** 2 hrs. Organization and administration of the community swimming program.

361. **Swimming for the Disabled.** 1 hr. The development of techniques and activities in teaching the disabled to swim.

370. **Advanced Sport Judo.** 1 hr.

380. **Creative Rhythms for the Disabled.** 1 hr. The development of techniques and activities used in teaching rhythms and dance to the disabled.

401. **Corrective, Adaptive, and Developmental Physical Education.** 3 hrs. Recognition of, and corrective exercises for, functional abnormalities.

402. **Physiology of Exercise.** 3 hrs. Prerequisite: HSE 315. A study of the physiological changes which occur in the body during muscular activity.

403. **Fundamental Motor Patterns.** 3 hrs. An analysis of the fundamental motor patterns developed during early childhood.

404. **Motor Development.** 3 hrs. A study of the motor aspects of the total human growth and development process.

405. **Clinical Exercise Physiology.** 3 hrs. Exercise prescription and lifestyle modifications for special populations with concerns for CHD, hypertension, renal disorders, etc.

406. **Physiology of Aging.** 3 hrs. This course will provide a basic scientific rationale for the development and maintenance of health fitness, focusing upon persons past 50.

410. **Physical Education and Therapeutic Recreation for the Educationally Disabled and Other Disorders.** 3 hrs. The development of concepts and knowledge of physical education programs for LD, MR, and ED.

411. **Physical Education and Therapeutic Recreation for the Crippled and Other Health Impaired.** 3 hrs. The development of concepts and knowledge for programs for CP, PH individuals.

415. **Motor Development Project.** 3 hrs.

420. **Practicum in Physical Education.** 1-6 hrs. Arr. May be repeated for a total of six hours. Experiences in the various phases of the physical education program.

423. **Analysis of Human and Sport Skills.** 3 hrs. Prerequisite: PED 301. The study of anatomic, mechanical, and neurophysiological factors influencing human motion.

424. **Seminar in Elementary Physical Education.** 3 hrs. Prerequisite: PED 320 or 321.

426. **Organization and Administration of Health and Physical Education.** 3 hrs.

430. **Physiology of Stress and Exercise.** 3 hrs. The psychophysiology of stress and exercise among adults engaged in fitness training.

450. **Movement Experiences for Young Children.** 2 hrs.

451. **Techniques of Teaching Stunts, Tumbling, and Use of Apparatus.** 3 hrs.

490. **Physical Education and Recreation for the Handicapped.** 1-3 hrs.

499. **British Studies.** 3-6 hrs. Involves variable topics. Lectures and supervised research in England. Offered exclusively through the USM Institute of Anglo-American Studies.

PHYSICS (PHY—360)

101. **General Physics.** 3 hrs. Prerequisites: MAT 101, 103. Corequisite: PHY 101-L. A traditional course in physics intended for liberal arts and pre-medical students. (JC 2313, 2414)

\+ 101-L. **General Physics Laboratory.** 1 hr. Corequisite: PHY 101.

102. **General Physics.** 3 hrs. Prerequisite: PHY 101. Corequisite: PHY 102-L. A continuation of PHY 101. (JC 2323, 2424)

\+ 102-L. **General Physics Laboratory.** 1 hr. Corequisite: PHY 102.

103. **Introductory Physics.** 3 hrs. Prerequisite: MAT 101. A survey of physics principles for non-science majors. Credit for this course may not be applied toward degrees in the College of Science and Technology.

103-L. **Introductory Physics Laboratory.** 1 hr. Corequisite: PHY 103.

201. **General Physics with Calculus.** 4 hrs. Corequisites: MAT 178 and PHY 201-L. A rigorous course in physics recommended for physics majors. Required for engineering students. (JC 2514)

+ 201-L. **General Physics with Calculus Laboratory.** 1 hr. Corequisite: PHY 201.

202. **General Physics with Calculus.** 4 hrs. Prerequisite: PHY 201. Corequisite: PHY 202-L. A continuation of PHY 201. (JC 2524)

+ 202-L. **General Physics with Calculus Laboratory.** 1 hr. Corequisite: PHY 202.

327. **Electronics I.** 3 hrs. Prerequisite: PHY 102 or 202. Fundamentals of vacuum and semiconductor devices with applications to scientific instrumentation.

327-L. **Electronics I Laboratory.** 1 hr. Corequisite: PHY 327.

328. **Electronics II.** 3 hrs. Prerequisite: PHY 327. A continuation of PHY 327.

328-L. **Electronics II Laboratory.** 1 hr. Corequisite: PHY 328.

332. **Thermodynamics and Statistical Mechanics.** 5 hrs. Prerequisites: PHY 202 and 361. Tem perature, thermodynamic principles, and the application of statistics to classical and quantum systems.

341. **Optics.** 3 hrs. Prerequisite: PHY 102 or 202. Rays, refractive and reflective surfaces, len design, and the electromagnetic theory of light.

341-L. **Optics Laboratory.** 1 hr. Corequisite: PHY 341.

350. **Mechanics.** 3 hrs. Prerequisites: PHY 202, MAT 179. Corequisite: MAT 280. Mathematical treatment of the dynamics of particles and rigid bodies.

351. **Mechanics.** 3 hrs. Prerequisite: PHY 350. A continuation of PHY 350.

361. **Physics of the Atom.** 3 hrs. Prerequisite: PHY 102 or 202. Survey of atomic particles, radiation, and x-rays. Optical Spectra.

361-L. **Physics of the Atom Laboratory.** 1 hr. Corequisite: PHY 361.

392. **Physics Special Problems.** 1-3 hrs. Prerequisite: Permission. Theoretical and experimental problems limited to junior and senior students.

410. **Physical Oceanography I.** 3 hrs. Prerequisites: PHY 102 or 202 and MAT 179. Properties of sea water, fluid mechanics, currents and frictional forces, waves.

421. **Electricity and Magnetism.** 3 hrs. Prerequisites: PHY 351, MAT 385. Vector analysis, electrostatistics, magnetostatics, and electromagnetic fields.

422. **Electricity and Magnetism.** 3 hrs. Prerequisite: PHY 421. A continuation of PHY 421.

435. **Principles of Microwave Systems.** 3 hrs. Prerequisite: PHY 327. Introduction to microwave theory, basic design of microwave systems.

444. **Acoustics and Hi-Fi.** 3 hrs. Prerequisite: PHY 101 or 202. The study of all components comprising high-fidelity sound systems.

446. **Acoustics.** 3 hrs. Prerequisites: MAT 417 and permission of instructor. Principles underlying the generation, transmission and reception of acoustic waves, with applications.

451. **Physical Applications of the Fourier Transform.** 3 hrs. Prerequisites: MAT 280 and PHY 202. Convolution, deconvolution of physical signals and introduction to sampling.

455. **Fluid Dynamics.** 3 hrs. Prerequisites: PHY 350 and MAT 385. A mathematical development of the physical principles governing fluid flow.

460. **Advanced Physics Laboratory.** 2 hrs. Prerequisites: Permission and Senior Standing. Advanced experiments in modern physics.

461. **Quantum Mechanics.** 5 hrs. Prerequisites: PHY 351 and 361. Quantum theory, spectros copy, and atomic and nuclear structure.

464. **Fundamentals of Solid State Physics.** 3 hrs. Prerequisites: PHY 351 and 361.

465. **Nuclear Physics.** 3 hrs. Prerequisites: PHY 350 and 361. Nuclear binding forces, chain reactions, and nuclear reactors.

471. **Physical Marine Science.** 3 hrs. Prerequisite: PHY 102 or 202 and MAT 179. Same as MAR 461. Physical properties of seawater, heat transfer, major ocean currents, surface waves and sound.

471-L. **Physical Marine Science Laboratory.** 1 hr. Corerequisite: PHY 471 or MAR 461. Same as MAR 461-L. Properties of sea water, wave refraction, reflection and diffraction. Sampling and instrument calibration procedures.

485. **History and Literature of Physics.** 3 hrs. Prerequisite: PHY 102 or 202. A survey of physics from the ancients to the present.

499. **Undergraduate Research.** 1-6 hrs. Prerequisite: Permission. An introduction to the methods of physical research. (Students undertaking a Senior Honors Project will enroll in PHY H499.)

PLANNING (PLG—260)

360. **Introduction to Community and Regional Planning.** 3 hrs. A reveiw of the fundamentals and historic development of community and regional planning.

450. **Grantsmanship.** 3 hrs. Identification and analysis of funding programs supporting community and regional development. Exercises in grant writing and managment.

461. **Socioeconomic Planning.** 3 hrs. Compilation, analyses and projection of population, and economic variables as they relate to community and regional planning.

462. **Environmental Planning.** 3 hrs. A detailed study of environmental planning analysis and methodology as an element in land-use decision-making systems.

463. **Planning Methods.** 3 hrs. An introduction to basic methods and techniques used in planning and policy analysis.

464. **Community Infrastructure.** 3 hrs. Examination and analysis of housing, transportation, and community facilities planning, development, and operations.

465. **Land Use Planning and Policy.** 3 hrs. Consideration of various legal and institutional tools related to implementation of community and regional plans.

466. **Planning Agency Management.** 3 hrs. An analysis of the management and operation procedures of community and regional planning organizations.

469. **Studio-Laboratory: Plan Preparation.** 3 hrs. Preparation and presentation of a professional plan as a collaborative community/student group effort. May be repeated with change of content for a total of six (6) hours.

470. **Planning Theory and Practice.** 3 hrs. A study of the development of planning theory and practice and the contributions various professions and academic disciplines have made to the planning profession.

491. **Planning Internship.** 3-9 hrs. May be repeated for a total of nine hours.

492. **Special Problems.** 1-3 hrs. May be repeated for a total of six hours.

POLITICAL SCIENCE (PS—280)

101. **American Government.** 3 hrs. (JC 1113)

220. **Introduction to Political Science.** 3 hrs. A survey of the general field of study of political science to prepare students for subsequent study in a specific subject and field. (JC 2213)

291. **Research in Political Science.** 1 hr.

301. **State and Local Politics.** 3 hrs.

302. **Current Problems in Government.** 3 hrs. A study of current problems before the national, state, and local governments at the time the course is taught.

303. **American Political Movements.** 3 hrs. A study of Afro-American, Old and New Left, Radical Right, Counter-Culture, and Feminist movements.

320. **Introduction to Political Theory.** 3 hrs. A survey of the principal political ideologies in the world today.

330. **United States Foreign Policy.** 3 hrs.

331. **Introduction to International Politics.** 3 hrs.

351. **Introduction to Comparative Government.** 3 hrs. A classification of selected political systems analyzed in the context of different economic and political cultures.

370. **Introduction to Public Administration.** 3 hrs.

375. **Government and Economics.** 3 hrs.

380. **Introduction to Law in American Society.** 3 hrs. A basic course to familiarize students with the court structure, the legal profession, and the role of law in American society.

401. **Political Socialization.** 3 hrs. An analysis of the American political system on an advanced level.

402. **Urban Politics.** 3 hrs.

404. **The Legislative Process.** 3 hrs.

406. **Political Parties.** 3 hrs.

407. **Mississippi Government.** 3 hrs.

408. **The American Presidency.** 3 hrs. An analysis of the selection, role, power, and performance of the presidency.

409. **Southern Politics.** 3 hrs. An examination of the politics and political culture of the southern states.

420. **Political Theory to Locke.** 3 hrs.

421. **Political Theory Locke to Present.** 3 hrs.

425. **American Political Theory.** 3 hrs.

431. **International Law and Organization.** 3 hrs.

432. **Foreign Policies of the Major Powers.** 3 hrs. An intensive analysis of the pattern of politics resulting from the formation of the two major power blocs and lesser blocs.

435. **Comparative Foreign Policy.** 3 hrs.

450. **Comparative Studies in European Politics.** 3 hrs.

451. **Soviet Government and Politics.** 3 hrs.

452. **The Political Systems of Great Britain and the Commonwealth.** 3 hrs.

456. **Latin American Governments and Politics.** 3 hrs.

457. **Political Development.** 3 hrs. A comparative analysis of political change and modernization.

458. **Latin American Political and Economic Development.** 3 hrs.

459. **Federalism.** 3 hrs. An analysis of the theory and practice of political systems which are organized along federal lines.

471. **Public Personnel Administration.** 3 hrs.

472. **Organization and Management.** 3 hrs.

473. **Public Policy.** 3 hrs.

474. **The Politics of Taxing and Spending.** 3 hrs. Facets of budgetary administration, emphasizing federal and municipal budgets, theory, and process.

480. **United States Constitutional Law.** 3 hrs.

481. **The American Judicial Process.** 3 hrs.

482. **Comparative Judicial Politics.** 3 hrs. Prerequisite: PS 480 or PS 481 or consent of instructor.

484. **Administrative Law.** 3 hrs.

485. **International Law.** 3 hrs.

488. **Jurisprudence.** 3 hrs.

489. **U.S. Supreme Court and Civil Liberties.** 3 hrs. An analysis of the role of the U.S. Supreme Court in protecting individual rights. Primary focus is on litigation involving provisions of the Bill of Rights.

491. **Proseminar in Political Science.** 3 hrs. Prerequisite: Consent of instructor. An undergraduate seminar devoted to topics selected by the supervising professor. May be repeated once for credit with change in content.

492. **Special Problems.** 1-3 hrs. (Students undertaking a Senior Honors Project will enroll in PS H492.)

499. **Seminar in British Politics.** 3-6 hrs. Prerequisite: PS 351 or PS 452, or permission of instructor. A seminar conducted in Great Britain under the auspices of the Anglo-American Institute.

POLYMER SCIENCE (PSC—370)

(See also FORENSIC SCIENCE)

191. **The Polymer Industry I.** 2 hrs. An introduction to the history, recent developments, applications, and processing of polymers.

291. **The Polymer Industry II.** 2 hrs. An introduction to the properties of major commercial polymers, raw material sources, and the organization of the polymer industry.

301. **Organic Polymer Chemistry I.** 3 hrs. Systematic study of polymers with emphasis centered on those synthesized by step-growth polymerization.

\+ 301-L. **Laboratory for Polymer Science 301.** 1 hr.

302. **Organic Polymer Chemistry II.** 3 hrs. A study of polymer formation techniques, kinetics, and properties with emphasis on addition polymerization, copolymerization, and stereoregular polymerization.

\+ 302-L. **Laboratory for Polymer Science 302.** 1 hr.

310. **Technical and Scientific Communication.** 1 hr. Training in the preparation of written and oral reports on scientific and technical problems.

330. **Structure of Materials.** 3 hrs. An introduction to the physical character of materials emphasizing the relationship of structure to fundamental composition.

350. **Polymeric Materials.** 3 hrs. Introduction to materials science. Comparison of structure and properties of polymers to non-polymeric materials.

360. **Polymer Rheology.** 3 hrs. Theory and practice of Newtonian and non-Newtonian fluid flow behavior.

361. **Polymer Processing.** 3 hrs. Plastics extrusion technology and theory. Technical planning for plastics production. Material selection for plastic products. Trends in the plastics industry.

\+ 361-L. **Laboratory for Polymer Science 361.** 2 hrs.

370. **Surface Coatings Science I.** 4 hrs. Introduction to surface coatings.

371. **Surface Coatings Science II.** 4 hrs. Introduction to surface coatings. A continuation of PSC 370.

401. **Physical Chemistry of Polymers I.** 3 hrs. Polymer structure, chain conformation, solution properties, thermodynamics, fractionation, and molecular weight measurement.

401- . **Laboratory for Polymer Science 401.** 1 hr.

402. **Physical Chemistry of Polymers II.** 3 hrs. Instrumental analysis of polymers, morphology, rheology, structure-property relationships.

\+ 402-L. **Laboratory for Polymer Science 402.** 1 hr.

412. **Introduction to Macromolecules.** 3 hrs. An introduction to the chemistry and physics of natural and synthetic high polymers.

430. **Plastics, Ceramics, Composites.** 3 hrs. A comparative study of the physical property behavior of non-metallic materials in pure form and in combination.

460. **Physical Properties of Polymers I.** 3 hrs. Mechanical and electrical properties of polymers as viscoelastic materials emphasizing the effects of time and temperature at constant stress levels.

460-L. **Laboratory for Polymer Science 460.** 1 hr.

461. **Physical Properties of Polymers II.** 3 hrs. Mechanical and electrical properties of polymers as materials emphasizing the effects of time and temperature at variable stress levels.

461-L. **Laboratory for Polymer Science 461.** 1 hr.

470. **Surface Coatings.** 4 hrs. Study of the physical and chemical properties of the pigments, binders, solvents, and additives employed in surface coatings; dispersion techniques, surface preparation, paint testing, application techniques, and surface coatings analysis are also discussed.

\+ 470-L. **Laboratory for Polymer Science 470.** 1 hr.

480. **Polymer Kinetics.** 3 hrs. Introduction to polymerization kinetics and reactor design.

490. **Special Projects in Polymer Science.** 1 hr. Individual research. Prospectus is prepared and research plan is executed with final report required. (Students undertaking a Seniors Honor Project will enroll in PSC H490.)

490-L. **Laboratory for Polymer Science 490.** 3 hrs.

491. **Special Projects in Polymer Science.** 1 hr. Individual research. Prospectus is prepared and research plan is executed with final report required. (Students undertaking a Seniors Honor Project will enroll in PSC H491.)

491-L. **Laboratory for Polymer Science 491.** 3 hrs.

PSYCHOLOGY (PSY—175)

110. **General Psychology.** 3 hrs. Open to freshmen. An introduction to the scientific study of human behavior and experience. (JC 1513)

231. **Psychology of Personal Adjustment.** 3 hrs. Prerequisite: PSY 110. Understanding of the problems people face in our society, and the diverse ways in which they respond to these problems.

251. **Applied Psychology.** 3 hrs. Prerequisite: PSY 110. Application of psychological methods and principles to a number of occupational fields other than education.

310. **Advanced General Psychology.** 3 hrs. An advanced course in general psychology covering in greater depth selected topics. Required of all psychology majors.

320. **Experimental Psychology.** 3 hrs. Prerequisites: PSY 360. Introduction to experimental methodology and laboratory apparatus with application to various areas of psychology.

360. **Introduction to Statistics for the Behavioral Sciences.** 3 hrs. Probability, central tendency, variability, and correlation. Hypothesis testing with Z, t, chi-square, and F.

370. **Child Psychology.** Prerequisite: PSY 110. Study of the child through the elementary years, emphasizing principles and problems of development.

372. **Adolescent Psychology.** 3 hrs. Prerequisite: PSY 110. Psychological development of the individual throught the adolescent years.

374. **Educational Psychology.** 3 hrs. Prerequisite: PSY 110 and permission of the instructor. Application of psychological methods, facts, and principles to education. Teacher education majors must be formally admitted to the teacher education program.

375. **Developmental Psychology.** 3 hrs. A study of the course of growth and development throughout the life span, with emphasis on principles of development. Students who take PSY 370 or 372 should not take this course.

385. **Applied Behavior Analysis.** 3 hrs. Prerequisites: PSY 110 and permission of instructor. Application of the principles of applied behavior analysis to problems involving human behavior change.

418. **History and Systems of Psychology.** 3 hrs. Prerequisite: Permission of the instructor. Review of the history of psychology and intensive study of current systems of psychology. Primarily for senior psychology majors.

420. **Sensation and Perception.** 3 hrs. Prerequisite: PSY 360. A survey of sensory and perceptual processes with emphasis on the visual system.

422. **Psychology of Learning.** 3 hrs. Prerequisite: PSY 110. A study of the basic problems, theories, concepts, and research in the areas of human and animal learning.

424. **Animal Behavior.** 3 hrs. Prerequisite: PSY 110. Study of animal behavior with emphasis on the comparison of psychological processes along the phylogenetic scale.

426. **Physiological Psychology.** 3 hrs. Prerequisite: PSY 110. Relationships between physiological functions, especially those of the nervous system, and emotional behavior, motivation, and learning.

432. **Introduction to Behavior Modification.** 3 hrs. Prerequisite: Permission of instructor. Principles and techniques of behavior modification applied to normal and deviant behavior across environmental settings.

436. **Abnormal Psychology.** 3 hrs. Prerequisite: Permission of the instructor. Study of the major psychoneuroses, and mental deficiency; field trips, and demonstration clinics.

450. **Social Psychology.** 3 hrs. Prerequisite: PSY 110. Study of social influences on personality development and perceptual-cognitive processes and social motivation.

451. **Industrial Psychology.** 3 hrs. Prerequisite: PSY 110. (PSY 360 recommended). Applications of psychological principles and methods to problems of industry.

455. **Psychology of Personality.** 3 hrs. Prerequisites: PSY 110 and permission of the instructor. Different theoretical approaches to the development of the mature personality.

456. **Psychology of Aging and Death.** 3 hrs. Study of problems and attitudes concerning aging and death.

457. **Psychology of Religion.** 3 hrs. Prerequisite: PSY 110. An examination of modern psychological perspectives on religious beliefs, experiences, and practices.

462. **Psychological Measurement.** 3 hrs. Prerequisites: PSY 110 and 360. Theory, problems and techniques of psychological measurement.

482. **Moral Development in Childhood and Adolescence.** 3 hrs. Prerequisites: PSY 110 and permission of instructor. A study of the major psychological theories of moral development.

492. **Special Problems in Psychology.** 1-6 hrs. Prerequisites: PSY 110 and consent of instructor. (Students undertaking a Seniors Honor Project will enroll in PSY H492.)

493. **Field Experience in Psychology.** 1-3 hrs. Prerequisites: Twenty-four hours of psychology and permission of the instructor and department chair. Opportunity for the student to observe and participate under supervision in the activities of one or several agencies providing psychological services.

496. **Families of the Developmentally Disabled.** 3 hrs. Prerequisites: Senior standing or permission of instructor. Interdisciplinary approach to the study of families of the developmentally disabled.

497. **Interdisciplinary Seminar in Developmental Disabilities.** 3 hrs.

498. **Senior Thesis.** 3 hrs. Prerequisite: Permission of department chair and instructor.

499. **British Studies.** 3-6 hrs.

RADIO-TELEVISION-FILM (RTF—220)

101. **Survey of Mass Communication.** 3 hrs. A survey of the development and operation of print, electronic and film media including an overview of mass communication theory and effects research.

111. **Radio Production.** 3 hrs. Introductory course in radio production covering control room on-air production, off-air program production, and radio station operations.

140. **Introduction to TV Production.** 3 hrs. Instruction in the fundamentals of communicating with the television medium through a combination of lecture, demonstration, and production assignments.

171. **Introduction to Film Production.** 3 hrs. An introduction to narrative film production in a super 8mm format.

302. **Broadcast News Writing.** 3 hrs. Prerequisites: JOU 202 and typing proficiency. Instruction and practice in the fundamentals of writing news copy for radio and television.

303. **Internship in Radio, Television, and Film.** 3 hrs. Prerequisites: Completion of 24 hours of RTF major, B average in RTF courses, overall GPA of 2.5, approval of the chair. May not be combined with RTF 418, Practicum in RTF.

304. **Radio News Reporting.** 3 hrs. Prerequisites: JOU 202 and RTF 302. Writing, editing, and producing radio news stories and newscasts. Emphasis on story idea origination, interviewing, audio recording, and newscast delivery.

305. **Television News Reporting.** 3 hrs. Prerequisites: JOU 202, RTF 302, and 304. Writing, video taping, and editing television news stories and series. Emphasis on story idea origination, interviewing, and electronic news gathering techniques.

320. **Announcing.** 3 hrs. Prerequisite: RTF 111. This course is designed to familiarize students with the requirements of a variety of radio and TV announcing situations.

330. **Broadcast Advertising.** 3 hrs. An overview of the advertising industry with an emphasis on network and local broadcast advertising operations.

340. **Intermediate Television Production.** 3 hrs. Prerequisite: RTF 140. Advanced topics in studio production.

360. **Telecommunication Regulation and Policy.** 3 hrs. Study of the regulatory agencies, regulations, and policies which affect the operation of domestic telecommunication media and delivery systems.

370. **Film History and Criticism.** 3 hrs. This course combines text, lecture, discussion, and screenings to trace the first fifty years of motion pictures.

371. **Basic Cinematography.** 3 hrs. Prerequisite: RTF 171. This course builds upon the fundamentals covered in RTF 171 by introducing students to the professional 16mm film format.

373. **Film Animation.** 3 hrs. Prerequisite: Consent of instructor. A study of the basic principles of film animation.

375. **Film Editing.** 3 hrs. Prerequisite: RTF 371 or consent of instructor. Concentration on editing of sound and picture in the 16mm film format.

377. **Film Production Workshop.** 3 hrs. Prerequisite: RTF 371 or consent of instructor. The student will participate in the production of a 16mm sound film editor, production manager, soundperson, or assistant cinematograher.

402. **Broadcast Journalism Workshop.** 3 hrs. Prerequisites: JOU 202, RTF 302, 304, and 305. Producing television newscasts. Emphasis on story selection, visual and graphic support, copy bridges, and newscast delivery techniques.

407. **Theories of Mass Communication.** 3 hrs. An examination of scholarly theory pertaining to the mass communication process, the functions of mass communication, and mass communication effects.

410. **Radio/Television Production Laboratory.** 1 hr. (May be repeated for a total of 3 hrs. credit) Prerequisite: Consent of instructor. Lab experience in radio or television production.

411. **Advanced Audio Production.** 3 hrs. Prerequisite: RTF 111 or consent of instructor. An advanced course in audio production for both aural and visual media.

416. **Telecommunication Media Management.** 3 hrs. Examination of management responsibilities in broadcast radio and TV, cable TV, and other electronic media and media delivery systems.

418. **Practicum in RTF.** 3 hrs. Individual production experience under supervision of a cooperating faculty member. May not be combined with RTF 303, Internship in RTF.

425. **Telecommunication Media Research.** 3 hrs. Prepares students to utilize and evaluate professional telecommunication research services and to conduct elementary studies of media audiences.

431. **Advertising Management and Sales.** 3 hrs. Prerequisite: RTF 330. This course focuses upon the organization, operation and management of the advertising department of a broadcast station.

440. **Advanced Television Production.** 3 hrs. Prerequisite: RTF 340 or permission of instructor. Advanced topics in video post-production theory and practice.

442. **Writing for Radio-TV.** 3 hrs. Prerequisite: RTF 140. Basic broadcast copywriting for continuity, commercials and program formats. Course content is applied in frequent writing assignments.

447. **Television Production Workshop.** 3 hrs. Prerequisite: RTF 340. Advanced experience in all phases of television production, direction, and post-production.

448. **Seminar in Radio-TV.** 3 hrs. Prerequisite: Permission of instructor. Examination of a telecommunication topic. May be repeated with a different topic or combined with RTF 478 for a total of six hours.

460. **Issues in Telecommunication.** 3 hrs. Examination of structural, regulatory, policy, and social concerns related to the U.S. telecommunication industry.

470. **Contemporary Cinema.** 3 hrs. An historical treatment of the international trends in film from 1945 to the present. Feature films are screened for analysis and discussion.

471. **Advanced Cinematography.** 3 hrs. Prerequisite: RTF 371 and consent of instructor. Advanced instruction and practical production experience in 16mm motion picture cinematography.

472. **Writing for Television and Film.** 3 hrs. Narrative scriptwriting for television and film dramatic content.

473. **The Documentary Film.** 3 hrs. Evaluation of the documentary tradition in film through viewing and analysis of selected documentaries and review of pertinent literature.

474. **Techniques in Film Acting and Directing.** 3 hrs. Prerequisite: Consent of instructor. A course in the unique techniques of acting and direction which distinguish the film and theatrical dramatic forms.

475. **Film Business Procedures and Management.** 3 hrs. Prerequisite: Consent of instructor. Study of the business practices and problems involved in film production.

476. **British Film.** 3-6 hrs. Prerequisite: Consent of instructor. Lecture and research in British filmmaking offered abroad under the auspices of the Institute of Anglo-American Studies.

477. **Advanced Film Production Workshop.** 3 hrs. Prerequisite: Consent of instructor. Advanced practical experience and instruction in film direction and cinematography.

478. **Seminar in Film.** 3 hrs. Prerequisite: Permission of instructor. Examination of a film topic. May be repeated with a different topic or combined with RTF 448 for a total of six hours.

479. **Film Theory and Criticism.** 3 hrs. Study of major film theories through study of the literature of film theory and screening and discussion of selected films.

480. **Comparative Media Systems.** 3 hrs. Study of the structure, function, and historical/political features of the electronic media systems of selected nations.

481. **International Broadcasting.** 3 hrs. Prerequisite: Permission of instructor. An examination of the development, structure, functions, programming, and audiences of international broadcasting services.

489. **Caribbean Mass Media Systems.** 3 hrs. Prerequisite: Consent of instructor. Lecture and research on the media systems of the Caribbean Basin with special attention given to coverage of Third World news.

492. **Special Problems in Radio, Television, and Film.** 1-3 hrs. Prerequisite: Consent of instructor. Arranged, in-depth investigation of an individual research topic. (Students undertaking a Senior Honors Project must enroll in RTF H492.)

499. **British Studies: Comparative Mass Media.** 3-6 hrs. Prerequisite: Consent of instructor. Lecture and research in British and American mass media offered abroad under the auspices of the Institute of Anglo-American Studies.

REAL ESTATE AND INSURANCE (REI—617)

(Enrollment in Real Estate and Insurance courses requires at least junior standing.)

325. **General Insurance.** 3 hrs. Nature of risk, its measurement, and the insurance mechanism as a device for handling risk with reference to the principal types of coverage.

326. **Introduction to Actuarial Science.** 3 hrs. Compound interest theory, its application, and basic actuarial techniques of premium and reserve determination for life insurance and annuities.

330. **Real Estate Principles.** 3 hrs. An introduction to the field of real estate covering principles of law, valuation, management, financing, and brokerage of real estate.

334. **Residential Valuation.** 3 hrs. Prerequisite: REI 330. An introduction to the theory and practice of residential real estate valuation.

340. **Real Estate Law.** 3 hrs. Prerequisite: GBA 295. The law of real property and the law of real estate brokerage.

345. **Property Management.** 3 hrs. Prerequisite: REI 330. The economics of location, finance, marketing, and law as it relates to property management.

425. **Life Insurance.** 3 hrs. Prerequisite: REI 325. Types of policies and their uses; contract provisions; actuarial and legal aspects; settlement options.

432. **Real Estate Finance.** 3 hrs. Prerequisite: REI 330. A study of the sources of real estate funds and analytical techniques for investment decision-making.

434. **Income Property Valuation.** 3 hrs. Prerequisite: Consent of instructor. Emphasis on the income approaches to real estate valuation.

445. **Property and Liability Insurance.** 3 hrs. Prerequisite: REI 325. Fire, consequential loss, theft, automobile, general liability, and workmen's compensation insurance.

450. **Health Insurance.** 3 hrs. Prerequisite: REI 325. Disability risk with its economic consequences and the various health insurance coverages available to meet it.

460. **Real Estate Development.** 3 hrs. Prerequisite: REI 330. An analysis of real estate development in the private sector.

498. **International Insurance Seminar Abroad.** 3 hrs. Prerequisite: Consent of Program Director. Conducted in London, England: a series of lectures and discussions involving authorities on international insurance issues and practices.

499. **International Insurance Research Abroad.** 3 hrs. Prerequisite: Consent of Program Director. A research course in international insurance required for any student enrolled in REI 498.

RECREATION (REC—735)

Service Activity Courses—The following are activity courses offered on a grade or pass-fail basis.

180. **Skeet and Trap Shooting.** 1 hr.

182. **Marksmanship Instructors Course.** 1 hr.

183. **Pioneering.** 1 hr.

184. **Canoeing.** 1 hr.

185. **Family Camping.** 1 hr.

186. **Freshwater Fishing.** 1 hr.

187. **Saltwater Fishing.** 1 hr.

Career Courses—The following are career courses offered to meet requirements for a major in recreation leading to a Bachelor of Science degree.

200. **Man's Search for Leisure.** 3 hrs. A study of the evolution of leisure and service programs.

201. **Leisure Skills Development.** 3 hrs. To familiarize students with methods and materials for selected lifetime leisure skills.

203. **The Literature of Recreation.** 3 hrs. A course to introduce recreation majors to the various areas of specialization.

210. **Practicum in Recreation I.** 1 hr. Initial field experience in area of specialization.

211. **Practicum in Recreation II.** 1 hr. Observational experiences in areas of specialization.

212. **Practicum in Recreation III.** 1 hr. Practical field experiences as aide in area of specialization.

+ 300. **Recreational Scuba.** 2 hrs. Provides competent diving instruction to meet increased demand for aquatic recreation.

301. **Adventure Training.** 2 hrs. To develop student proficiency in land and water navigation, and survival techniques.

322. **Theory of Recreation Programming.** 3 hrs. Procedures and methods involved in planning and organizing a comprehensive recreation program.

322-L. **Theory of Recreation Programming Laboratory.** 1 hr. To be taken concurrently with REC 322.

323. **Theory of Recreation Leadership.** 3 hrs. Methods, techniques, and materials for directing individuals in group activities.

341. **Camp Counseling, Administration, and Operation.** 3 hrs. Objectives, activities, methods, administrative and operational policies of organized camps.

350. **Introduction to Therapeutic Recreation.** 3 hrs. Introduction to handicapped populations and the delivery of therapeutic recreation to meet individual needs.

350-L. **Introduction to Therapeutic Recreation Laboratory.** 1 hr. To be taken concurrently with REC 350.

380. **Advanced Scuba.** 2 hrs. Prerequisite: REC 300. An opportunity to gain safe enjoyable experiences using advanced diving skills under controlled conditions.

390. **Recreational Sport Programming.** 3 hrs. Study of sport programming in recreational settings with attention on organization, management, and problems associated with sports programs.

402. **Seminar in Recreation.** 1 hr. A seminar course designed to examine pertinent issues and current practices in recreation.

411. **Adapted Activities and Techniques for Disabled Persons.** 3 hrs. Introduce the student to techniques in adapting activities, equipment and facilities for the delivery of adapted activities for the disabled.

413. **Organization and Administration of Recreation.** 3 hrs. Designed to study the organization and administration of recreation agencies and their policies.

415. **Business Procedures for Parks and Recreation.** 3 hrs. A study of specific business procedures and administrative policies.

416. **Military Recreation Administrative and Managerial Skills.** 3 hrs. Administrative and managerial skill development in a military environment.

423. **Advanced Military Management.** 3 hrs. A study of policies, procedures and guidelines for military recreation programs and services.

424. **Community Recreation Resources, Services, and Organizations.** 3 hrs. A study of the varied agencies which provide community recreation services and the operation of specialized recreation facilities.

434. **Park Design and Maintenance.** 3 hrs. The principles and applications of design and maintenance as it applies to outdoor recreation areas and facilities.

436. **Park and Recreation Planning.** 3 hrs. Fundamental principles and methodologies dealing with proper identification, allocation, and use of resources.

436-L. **Park and Recreation Planning Laboratory.** 1 hr. To be taken concurrently with REC 436.

441. **Resources Management and Policy.** 3 hrs. The techniques, procedures, and policies affecting management of natural resources.

443. **Outdoor Education.** 3 hrs. A study of outdoor education, specifically its philosophy, programs, methods, and resources. Organization, programming, and conducting of programs and activities in institutions.

447. **Interpretation of Cultural and Natural Resources.** 3 hrs. The interpretive process as applied to natural and cultural resources.

450. **Leisure Education.** 3 hrs. The history, theory and process of leisure education for the mature adult, persons with disabilities and the general populace.

451. **Therapeutic Recreation Programming.** 3 hrs. The organization, programming, and conducting of programs and activities in institutions.

452. **Gerontology & Therapeutic Recreation.** 3 hrs. An overview of the bio-psychosocial aspects of aging and the provision of recreation services for therapeutic recreation.

465. **Advanced Club Management.** 3 hrs. A study of policies, procedures, and guidelines of military club programs and services.

490. **Physical Education for the Handicapped.** 3 hrs. Theoretical aspects and practical applications of physical education and recreation for the handicapped.

491. **Recreation Education for Teachers.** 3 hrs. Programs and benefits of recreation and leisure to motivate leaders who serve in educating individuals.

492. **Outdoor Recreation Seminar.** 3 hrs. A practical and philosophical introduction to the use of outdoors.

494. **Field Problems.** 1-6 hrs. Prerequisite: Permission of Director, School of HPER. To be used to pursue specialized interests in recreation and leisure. (Students undertaking a Senior Honors Project will enroll in REC H492.)

495. **Internship in Recreation.** 9 hrs. Internship under the direct supervision of a field professional.

497. **Interdisciplinary Seminar in Developmental Disabilities.** 3 hrs.

498. **Families of the Developmentally Disabled.** 3 hrs.

499. **British Studies.** 3-6 hrs. Involves variable topics. Lectures and supervised research in England. Offered excluseively through the USM Institute of Anglo-American Studies.

RELIGION (REL—288)

ANT 316. **Biblical Archeology.** May also be offered for credit as a religion course.

ANT 412. **Mythology and Folklore.** May also be offered for credit as a religion course.

ANT 434. **Primitive Religion.** May also be offered for credit as a religion course.

131. **Introduction to Religion.** 3 hrs. The study of religion as an aspect of human culture with attention to both Christian and non-Christian religions.

330. **Religion in Society.** 3 hrs. A study of religion in society and its interaction with and relation to other social values.

333. **The Old Testament.** 3 hrs. A study of the major themes and history of the Jewish religion.

335. **The Life of Jesus.** 3 hrs. A study of the major themes and history of the Christian religion.

340. **Afro-American Religion.** 3 hrs. The study of the origin, development, and current status of the religious beliefs and practices of Afro-Americans.

435. **Religions of the Near East.** 3 hrs. A survey of Judaism, Islam, and Zoroastrianism.

436. **Mysticism.** 3 hrs. A study of the major themes and issues of religious mysticism—East and West.

457. **Psychology of Religion.** 3 hrs. An examination of modern psychological perspectives on religious beliefs, experiences, and practices.

490. **Contemporary Religious Problems.** 3 hrs. An examination of specific problems within the broad spectrum of contemporary religious concern.

492. **Special Problems.** 1-3 hrs. Directed individual study. May be taken for a total of nine (9) hours.

REL 499. **Religious Studies Abroad.** 3-6 hrs. The study of religious themes in various parts of the world. Offered abroad through the Center for International Education.

RESEARCH AND FOUNDATIONS (REF—125)

(Educational Foundations)

336. **Principles of Guidance.** 3 hrs. Deals with the fundamental philosophy, methods, and organization of guidance services in the public schools.

400. **Public Education in the United States.** 3 hrs. An orientation to teaching as a profession. Teacher education majors must be formally admitted to the teacher education program.

\+ 416. **Utilization of Audiovisual and Media Equipment.** 3 hrs. A general course for teachers with emphasis upon use, production, and selection of sound and visual classroom media.

421. **Seminar for Teaching Interns.** 9 hrs. Open to intern teachers only.

425. **Instructional Styles and Models in Media Programs.** 3 hrs.

426. **Film and Television in Media Programs.** 3 hrs.

430. **Teaching in the Space Age.** 1-3 hrs. A study of the influence of aerospace developments on society.

436. **Designing Educational Systems for Individualized Instruction.** 3 hrs. Emphasizes systems approach to individualizing instruction. Designed for teachers and library-media personnel.

469. **Tests and Measurements.** 3 hrs. Considers evaluative practices in education. Teacher education majors must be formally admitted to the teacher education program.

490. **Instructional Television: Utilization and Production.** 3 hrs. Utilization of television in instructional settings. Emphasis on programming from Mississippi ETV and use of portapac television equipment. (Also offered as LS 490.)

491. **School Media Center Administration Workshop.** 3 hrs.

494. **Field Problems.** 3 hrs. Prerequisite: Approval of department chair.

499. **British Studies: Research in British Education.** 3-6 hrs. To provide students with supervised research study on British education that relates to their own interests or educational specialty.

SCIENCE EDUCATION (SCE—380)

422. **British Studies: History of Science.** 3-6 hrs. Lecture series and research in the history of science offered abroad under the auspices of the Institute of Anglo-American Studies. (May be taken as BSC 422 or HIS 422)

+ 432. **Science for Elementary Teachers.** 3 hrs. Prerequisites: FS 131, 132, 133, 134, or 12 semester hours of science.

435. **Marine Science for Elementary Teachers.** 3 hrs. Prerequisite: Permission of instructor.

441. **Methods of Teaching the Metric System.** 3 hrs. Lectures and exercises in measurements using the International System of Units.

453. **Earth and Environmental Science for Intermediate School Teachers.** 3 hrs. Prerequisite: Earth and environmental science background or permission of the instructor.

454. **Biological Sciences for Intermediate School Teachers.** 3 hrs. An examination of subject matter, techniques, and methods for teaching the life sciences.

455. **Physical Science for Intermediate School Teachers.** 3 hrs. An examination of the subject matter, techniques, and methods for teaching physical sciences.

456. **Techniques in Marine Science Education.** 3 hrs. Marine resources of Mississippi.

457. **Marine Science for Teachers.** 3 hrs. Prerequisites: SCE 456 or permission. Advanced topics in marine science.

460. **Methods in Teaching Science—Secondary.** 3 hrs. Designed to familiarize teachers with current trends, methods, and techniques of teaching science to secondary school students.

+ 461. **Microcomputer Applications in the Teaching of Science.** 3 hrs. An examination of software, literature, research and strategies.

470. **Biology for Secondary Teachers.** 3 hrs. Prerequisite: Permission of instructor. An examination of the techniques and methods for teaching biology.

471. **Chemistry for Secondary Teachers.** 3 hrs. Prerequisite: Permission of instructor. Designed to familiarize teachers with materials, methods, and techniques.

472. **Physics for Secondary Teachers.** 3 hrs. Prerequisite: Permission of instructor. A course to familiarize teachers with content, methods, materials, and echniques.

+ 486. **Student Teaching in Sciences.** 12 hrs. Prerequisite: Approval of the Director of Student Teaching.

492. **Special Problems.** 1-3 hrs. arr. A problem study to be approved by the department chair.

499. **Field Studies in Marine Science Education.** 3-9 hrs. Prerequisite: permission of instructor. Study and investigate marine environments outside of Mississippi. Offered through the Institute of International Studies.

SOCIAL WORK (SWK—020)

230. **Introduction to Social Work.** 3 hrs. An introduction to the purpose, methods, and philosophy of contemporary social work. Open to persons in other disciplines. (JC 1143, 2163)

320. **Theoretical Foundations of Social Work.** 3 hrs. A study of the concepts and theory utilized in social work practice with individuals, groups, and communities.

330. **Methods of Social Work I.** 3 hrs. Prerequisite: SWK 230. A study of the principles of social case work.

331. **Methods of Social Work II.** 3 hrs. A study of techniques and methods of carrying out practice in group and community settings.

430. **Field Education.** 3-9 hrs. A practicum designed to provide students with supervised social work experience in direct services to clients.

SOCIOLOGY (SOC—292)

101. **Introduction to Sociology.** 3 hrs. Prerequisite to all other sociology courses. Designed to give a general overview of the perspectives, concepts, and methodology of sociology. (JC 2113)

240. **Social Problems.** 3 hrs. A study of representative contemporary problems, with emphasis on causes which arise from cultural patterns and social change. (JC 2123, 2133)

301. **Wealth, Status, and Power.** 3 hrs. An introduction to the stratification of privileges and deprivations in American society, focusing on such topics as the declining Protestant establishment, the growing underclass, the use and abuse of power, and class lifestyles.

302. **Social Interaction.** 3 hrs. A sociological analysis of human interaction. Topics include childhood socialization, nonverbal communication, and the relationship of presentational styles and social contexts.

310. **Urban Sociology.** 3 hrs. An analysis of the nature of urban society and the factors shaping it, including the influence of urban ecology and ecological processes.

311. **Rural Sociology.** 3 hrs. A study of the structure, institutions, and social processes of rural society, and of the effect of urbanization on rural society.

314. **The Family.** 3 hrs. An analysis of the structure and functions of the family as an institution and the factors making for family change.

315. **Sociology of Religion.** 3 hrs. A study of religion as a social institution, its internal development, relationships to other institutions, and its cultural and social significance in modern societies.

340. **Deviant Behavior.** 3 hrs. How conceptions of deviance originate and persist through the process of social interaction, with emphasis on societal reactions to deviance and the adaptation of deviants to society.

341. **Criminology.** 3 hrs. A study of causes, treatment, and prevention of crime. Deals with criminology, penology, and criminal legislation.

350. **Sociology of Minorities.** 3 hrs. An analysis of socio-cultural factors in minority-majority relationships and their social and social-psychological implications.

355. **Collective Behavior and Social Movements.** 3 hrs. A study of the ways in which collective behavior and social movements relate to socio-cultural change.

410. **Sociology of Sport.** 3 hrs. The examination of sport as a social institution and a cultural phenomenon. Topics include: sport and the media, sports violence, labor relations in sport, and sport in educational settings.

415. **Sex Roles and Gender in Society.** 3 hrs. A study of the relationship between sex roles and broader cultural patterns in various societies.

421. **Special Sociological Topics.** 3-9 hrs. Variable content. May be repeated three times in separate topical offerings.

423. **Sociology of Health.** 3 hrs. An analysis of the field of health and health care delivery from a sociological perspective.

424. **Sociology of Aging.** 3 hrs. A survey of demographic, social, and cultural aspects of aging with particular emphasis upon American society and the problems encountered by older persons.

426. **Sociology of Education.** 3 hrs. A comprehensive study of the educational institution, its relationship to the community and society.

430. **Political Sociology.** 3 hrs. A study of politics as a social institution, its relationship with other institutions and its place in a changing society.

433. **Field Work Practicum.** 3-9 hrs. Arr. Designed to provide the student with practical field experiences in a career-oriented area.

444. **Juvenile Delinquency.** 3 hrs. A study of the causes and nature of juvenile delinquency, the development of the juvenile court, probation, and other rehabilitative programs.

450. **Social Psychology.** 3 hrs. A study of how the thoughts and behaviors of individuals are influenced by the actual or implied presence of others.

460. **Quantitative Methods.** 3 hrs. A survey of quantitative research techniques, focusing on descriptive and inferential statistics and computer applications.

461. **Population.** 3 hrs. An introduction to demography, analyzing significant changes in population composition.

462. **Methods of Social Research.** 3 hrs. A study of the production and interpretation of social research with an emphasis on the relationship of theory and method.

471. **Social Institutions.** 3 hrs. A study of selected American social institutions, focusing on class and power structures, the rise of post-industrial society, religious and moral divisions, and democratic individualism.

475. **Social Inequality.** 3 hrs. Research and theory in social differentiation, class, status, power, and mobility. Analysis of inequality and the effects of socioeconomic status upon behavior and social organization.

481. **History of Social Thought.** 3 hrs. An examination of early social thought, tracing the development of western thought and ideas from Hammurabi to Comte.

482. **Sociological Theory.** 3 hrs. A study of classical and contemporary social theory, focusing on selected theorists (eg. Weber, Durkheim, Marx, Merton, and Goffman) and selected topics, including anomie and alienation, the rise of capitalism, theories of crime, and concepts of self.

492. **Special Problems.** 1-3 hrs. To be used to pursue specialized interests for which courses are not offered. (Students undertaking a Seniors Honor Project will enroll in SOC H492.)

499. **British Studies.** 3-6 hrs. Variable content. Lecture series and research offered abroad under the auspices of the Institute of Anglo-American Studies.

SPECIAL EDUCATION (SPE—190)

200. **Practicum in Special Education.** 1 hr. Observational methods with the handicapped. To be taken with SPE 400 or by special arrangement.

201. **Practicum in Special Education.** 1 hr. Teacher aide work with severely involved handicapped. To be taken with SPE 401.

202. **Practicum in Special Education.** 1 hr. Mini lessons and teacher aide work with the handicapped. To be taken with SPE 431, 432, 441 or 442.

400. **The Psychology and Education of the Exceptional Child.** 3 hrs. An introduction to exceptional populations and procedures and policies relating to their education and citizenship. Teacher education majors must be formally admitted to the teacher education program.

401. **Methods and Materials for the Multiply, Profoundly, and Severely Handicapped.** 3 hrs. Program and curricula development for children with severe learning problems to include the retarded, deaf-blind, and physical-medical deficiencies.

402. **General Methods in Special Education.** 3 hrs. The development of conceptual and writing skills associated with individual educational programs for the handicapped, materials, and media techniques.

403. **Educational Evaluation of Exceptional Children.** 3 hrs. Prerequisite: REF 469. Basic principles underlying measurement and evaluation in education with emphasis on interpretation as it relates to exceptional children.

405. **Early Intervention for Children with Special Needs.** 3 hrs. Individual educational planning for children age 0-5 with special needs.

411. **Language Development for the Handicapped.** 3 hrs. An introduction to language processes and common deficits related to the handicapped.

420. **Structure and Function of the Eye.** 3 hrs. Indentification, function, and care of the eye as it relates to the visually handicapped.

421. **Methods and Materials in Teaching Visually Handicapped.** 3 hrs. A study of practices commonly used in education programs, including Braille, space orientation, special materials, and organizations.

422. **Braille.** 3 hrs. A skill course in communication through Type 2 Braille.

423. **Teaching of Braille.** 3 hrs. Prerequisite: SPE 422 or equivalent. Developing methods for teaching Braille to visually handicapped to include reading, mathematics, and production abilities.

424. **Mobility Training for the Visually Handicapped.** 3 hrs. An introduction to mobility, movement, and spatial awareness for the visually handicapped.

425. **Psychology and Education of the Visually Handicapped.** 3 hrs. A study of social-emotional and cognitive learning factors of the visually handicapped.

427. **Physically Handicapped and Other Health Impaired.** 3 hrs. A study of major handicapping conditions associated with physical and health impairments and their educational implications.

428. **Methods for Teaching the Physically Handicapped and Other Health Impaired.** 3 hrs. Educational programs, counseling techniques, and least restrictive alternative placements for the physically handicapped.

429. **Curriculum and Mobility Training for the Physically Handicapped.** 3 hrs. General curricula development and specific demonstration and simulations in mobility training.

430. **Learning Disabilities.** 3 hrs. Prerequisite: SPE 400 or permission. A study of social, emotional, physical, and learning characteristics of specific learning disabilities.

431. **Individual Programming for Elementary Level Children with Specific Learning Disabilities.** 3 hrs. Methods, materials, and individual educational planning for elementary level students with specific learning disabilities.

432. **Individual Programming for Secondary Level Children with Specific Learning Disabilities.** 3 hrs. Methods, materials, and individual educational planning for secondary level students with specific learning disabilities.

440. **Mental Retardation.** 3 hrs. Prerequisite: SPE 440 or permission. A study of social, emotional, physical, and intellectual charactistics of the mentally retarded.

441. **Individual Programming for the Elementary Level Mentally Retarded.** 3 hrs. Methods, materials, and individual educational planning for mildly and moderately mentally retarded students at the elementary level.

442. **Individual Programming for the Secondary Level Mentally Retarded.** 3 hrs. Methods, materials, and individual educational planning for mildly and moderately mentally retarded students at the secondary level.

450. **Introduction to Behavioral Disorders.** 3 hrs. A basic study of personality and social deviation commonly found with school age pupils to include etiologies, programming, and service deliveries.

451. **Behavioral Management: Handicapped.** 3 hrs. Methods of affective development, control, and resources in behavioral problems with the handicapped.

460. **Characteristics of the Gifted and Talented.** 3 hrs. Study of gifted populations to include characteristics, learning modes, and assessment procedures.

461. **Basic Methods and Materials in Gifted/Talented Education.** 3 hrs. Curricula building activities for teachers in programs for the gifted.

470. **Organizational Procedures in Special Education.** 3 hrs. Study of alternative modes in educating handicapped, legal aspects, and administrative policies and processes.

\+ 481. **Student Teaching: Educationally Handicapped.** 12 hrs.

\+ 482. **Student Teaching: Visually Handicapped.** 3-12 hrs.

\+ 483. **Student Teaching: Physically Handicapped.** 3-12 hrs.

\+ 484. **Student Teaching: Gifted and Talented.** 9 hrs.

489. **Seminar in Special Education of Student Teaching.** 1-6 hrs. In-service student teaching designed for experienced teachers who have demonstrated their interest and ability as classroom teachers.

490. **Workshop in Special Education.** 1-3 hrs.

492. **Special Problems in Special Education.** 1-3 hrs. A consideration of special interest areas in the field of exceptional children. (Students undertaking a Seniors Honor Project will enroll in SPE H492.)

497. **Interdisciplinary Seminar in Developmental Disabilities.** 3 hrs.

498. **Families of the Developmentally Disabled.** 3 hrs. Interdisciplinary approach to the study of the developmentally disabled.

SPEECH AND HEARING SCIENCES (SHS—296)

101. **Orientation to Speech and Hearing Sciences.** 1 hr.

201. **Introduction to Phonetics.** 3 hrs.

202. **Fundamentals of Speech and Hearing Sciences.** 3 hrs.

202-L. **Fundamentals of Speech and Hearing Sciences Laboratory.** 1 hr.

211. **Introduction to Communication Disorders.** 3 hrs.

221. **Introduction to Audiology.** 3 hrs.

310. **Student Teaching: Clinical Observation.** 1 hr. First clinical and student teaching experience.

311. **Student Teaching: Clinical Assisting.** 1-3 hrs. Prerequisite: SHS 310. Clinical experience assisting speech/language-hearing clinicians.

401. **Language and Speech Development.** 3 hrs.

402. **Anatomy and Physiology of the Hearing Mechanism.** 3 hrs.

403. **Anatomy and Physiology of the Speech Mechanism.** 3 hrs.

410. **Methods and Program Design in Communicative Disorders.** 3 hrs.

411. **Articulation Disorders.** 3 hrs. Prerequisite: SHS 201.

412. **Diagnostic Procedures in Speech Pathology I.** 3 hrs. Prerequisites: SHS 211, 411.

413. **Voice Disorders.** 3 hrs. Prerequisite: SHS 403.

414. **Stuttering and Related Problems.** 3 hrs.

415. **Speech and Language Disorders of the Cerebral Palsied.** 3 hrs. Prerequisite: SHS 403.

416. **Adult Aphasia and Related Problems.** 3 hrs. Prerequisite: SHS 403.

417. **Speech and Language Disorders Related to Cleft Palate.** 3 hrs. Prerequisite: SHS 403.

418. **Advanced Clinical Methods.** 3 hrs. Prerequisite: Permission of instructor.

419. **Organic Speech Disorders.** 3 hrs. Prerequisites: SHS 202, 403, 411.

421. **Aural Rehabilitation.** 3 hrs. Prerequisite: SHS 221.

422. **Diagnostic/Prescriptive Teaching of the Hearing Impaired.** 3 hrs. Prerequisite: Senior standing or permission of instructor.

423. **Basic Sign Language.** 3 hrs. Concepts of total communication, sign language and finger spelling are stressed.

425. **Psycho-Social Factors Associated with Hearing Impairment.** 3 hrs. Prerequisite: Permission of instructor.

426. **Secondary School Methods and Curriculum for Hearing Impaired Children.** 3 hrs. Prerequisites: SHS 433, and permission of instructor.

428. **Clinical Audiology I.** 3 hrs. Prerequisite: SHS 221.

429. **Intermediate Sign Language.** 3 hrs. Prerequisite: SHS 423 or permission of the instructor. Course is a continuation of the Basic Sign Language course with additional signs and situational experiences.

430. **Speech Pathology and the Hearing Impaired Child.** 3 hrs.

431. **Language Disorders I: Assessment of Children with Language Disorders.** 3 hrs. Prerequisite: SHS 401.

432. **Language Disorders II: Habilitation of the Aphasic Child.** 3 hrs. Prerequisite: SHS 401.

433. **Developing Language Skills with the Hearing Impaired.** 3 hrs.

434. **Learning Strategies for the Multi-Handicapped Hearing Impaired Child.** 3 hrs. Prerequisites: EPY 374, SPE 400, SHS 433, or permission of instructor.

435. **Developing Oral/Aural Communication in Hearing Impaired Children.** 3 hrs.

436. **Developing Reading in the Hearing Impaired.** 3 hrs. Prerequisite: SHS 433 or permission of instructor.

437. **Introduction to Education of the Hearing Impaired.** 3 hrs.

438. **Problems in Academic Subjects for the Hard-of-Hearing and Deaf.** 3 hrs.

439. **Education of Preschool Hearing Impaired Children.** 3 hrs. Prerequisites: SHS 221 and permission of instructor. Practicum required.

440. **Advanced Methods of Communicating with the Hearing Impaired.** 3 hrs. Prerequisite: Permission of instructor. Develops extensive sign vocabulary; introduces ethics of interpreting; and individualizes training for specific situations.

492. **Special Problems.** 1-3 hrs. (Students undertaking a Senior Honors project will enroll in SHS H492.)

495. **Student Teaching: Deaf.** 3-12 hrs. Intensive practicum in school setting covering full range of teaching responsibilities with a certified teacher of the hearing impaired.

497. **Interdisciplinary Seminar in Developmental Disabilities.** 3 hrs.

499. **British Studies: Comparative Problems in Speech and Hearing Sciences.** 3-6 hrs.

SPEECH COMMUNICATION (SCM—216)

100. **Human Communication.** 3 hrs. An overview of the field of human communication, including interpersonal, small group, organizational, and mass communication.

111. **Oral Communication.** 3 hrs. Communication principles and practice in the preparation and delivery of public speeches. (JC-SPT 1113)

210. **Voice and Diction.** 3 hrs. Instruction in phonetics, the relationship between speech and social roles, and the development of a standard English dialect. May be taken in concert with SCM 300-L. **Oral Language Laboratory.** (JC-SPT 1153)

300-L. **Oral Language Laboratory.** 1 hr. An oral language laboratory to help students develop effective, standard English speech. Includes individual speech analysis and voice and diction pattern practice. Not to be counted as satisfying the Liberal Arts core. May be taken in concert with SCM 210. **Voice and Diction.** May be repeated for up to three hours credit.

303. **Argumentation and Debate.** 3 hrs. Theory and practice in inquiry and advocacy involving analysis, reasoning, organization and presentation of oral arguments for decision making.

305. **Interpersonal Communication.** 3 hrs. A course designed to improve students' competence in and understanding of interpersonal relationships.

310. **Forensics.** 1 hr. May be repeated for three hours credit. For participation in Inquiry and Advocacy, USM's public debate program.

311. **Persuasion.** 3 hrs. Study of classical and contemporary theories and strategies of persuasion with applications to public address, advertising, and public relations.

312. **Interviewing Principles and Applications.** 3 hrs.

315. **Advanced Public Speaking.** 3 hrs.

320. **Business and Professional Speaking.** 3 hrs. A course to develop student skills in a broad group of special communication settings pertinent to the world of work, e.g., running meetings, making technical reports, and group problem solving.

330. **Small Group Communication.** 3 hrs. Provides students with the basic skills and principles of communication pertinent to the small problem-solving group.

350. **Nonverbal Communication.** 3 hrs. An examination of the varieties of nonverbal communication and their role as context for speech communication.

403. **Political Communication.** 3 hrs. A comprehensive study of the role of communication in political campaigns and in the general political process.

405. **Relational Communication.** 3 hrs. Reviews the development of interpersonal processes that effect relationships in social, intimate, work, and family contexts.

410. **Organizational Communication I: Theory and Process.** 3 hrs. A survey of approaches to the study of organizational communication and aspects of the communication process within organizations.

411. **Managing the Forensics Program.** 3 hrs.

415. **Rhetorical Criticism.** 3 hrs. Discusses the variety of strategies critics use to analyze and interpret public communication. Contemporary speeches are examined.

417. **Practicum.** 3 hrs. May be repeated once. Students are placed in an organization or institution, usually off campus, in which they work and closely observe communication. Includes research on a relevant topic and a final report.

420. **Organizational Communication II: Assessment and Training.** 3 hrs. A survey of methods for determining the quality and kind of communication within organizations and training methods for improving organizational communication.

425. **Organizational Communication III: Data Gathering and Analysis.** 3 hrs. Means of gathering and analyzing organizational communication data, including flow, climate, and style.

430. **Communication and Small Group Decision-Making.** 3 hrs. Examines theory, research, and practice concerning the role and importance of communication in tasks-oriented groups. Emphasis on decision-making.

440. **Health Communication.** 3 hrs. Examines health communication theory and practices with attention given doctor-patient interactions in interpersonal, small group, interviewing, and organizational contexts.

450. **Seminar in Speech Communication.** 3 hrs. An examination of various theories of speech communication and various settings for their application. May be repeated for up to 6 hours credit.

459. **Methods in Speech Communication.** 3 hrs. A general orientation to the teaching of speech communication, followed by individualized unit work in the special fields of speech communication. (Co-listed as CIS 459.)

490. **Theories of Speech Communication.** 3 hrs. A survey of theoretical perspectives on speech communication, e.g., psychological, rhetorical, linguistic, and human relations.

492. **Special Problems.** 1-3 hrs. Directed research in a topic of interest to the student. (Students undertaking a Seniors Honor Project will enroll in SCM H492.)

499. **British Studies in Communication.** 3-6 hrs. Various topics. Communication research and practice in Great Britian. Taught only in Great Britian under auspices of the Institute of Anglo-American Studies.

THEATRE (THE—689)

100. **Theatre Appreciation.** 3 hrs. An introduction to theatre as an art form, reflecting the aesthetic aspects and social conditions of a culture.

103. **Introduction to Theatre.** 5 hrs. (3 hrs. lecture and 2 hrs. laboratory). (JC-SPT-1213.) An introduction to the principles of theatre, with involvement in the rehearsal, production, and performance process as they apply to major departmental productions.

111. **Fundamentals of Oral Interpretation.** 3 hrs. General educational approach to the art as a means of communicating literary content. (JC-SPT-2143)

115. **Voice for the Actor.** 3 hrs. Vocal methods and techniques for use in the theatre.

120. **Fundamentals of Acting.** 3 hrs. An intoductory acting technique course using modern scene study and improvisations (JC-SPT-1233).

200. **Stagecraft.** 5 hrs. Introduction to scenographic theory and techniques with practical application. (JC-SPT-2223)

201. **Introduction to Costume and Makeup.** 5 hrs. Introduction to theatrical costume and makeup theory with its practical application.

202. **Costumes for the Dance.** 2 hrs. Prerequisites: DAN 259 or THE 201. Study of costumes in the dance and their effect on performance. Basic patterns and construction techniques will be mastered.

215. **Stage Dialects.** 3 hrs. Introduction to stage dialects.

240. **Mime and Pantomime.** 2 hrs.

301. **Reader's Theatre.** 3 hrs. Prerequisite: THE 111. Theories and problems of presenting prose, poetry, and drama in group performances.

304. **Intermediate Makeup.** 3 hrs. Painted character makeup.

306. **Introduction to Scenery and Lighting.** 5 hrs. Prerequisites: THE 200, 201. Theory and practice in the utilization of stage scenery and lighting with daily involvement in their practical application to major departmental productions.

310. **Intermediate Acting I.** 3 hrs. A continuation of fundamentals of acting on a more intense level. To include a study of the Stanislavski System and audition practice and technique.

315. **Voice for the Actor/Singer.** 3 hrs. Vocal techniques for the singing actor.

320. **Directing.** 3 hrs. Prerequisites: THE 120 and 200.

361. **Stage Movement/Combat.** 2 hrs. Performance course designed to cover basic stage movement, acrobatics, faints, falls, slap-stick comedy and hand-to-hand combat.

401. **Costume Design.** 3 hrs.

403. **Advanced Stage Combat.** 2 hrs. Prerequisites: THE 361 and instructor approval and/or audition. Performance course covering advanced forms of hand-to-hand fighting, stage fencing and the use of weapons from ancient through modern times.

406. **Scenic Design.** 3 hrs. Elements of Scene Design. Play analysis in terms of visualization and style, and the mechanics of developing an effective stage setting.

410. **Stage Sound Engineering.** 3 hrs. Principles and practice in stage sound engineering.

411. **Advanced Oral Interpretation.** 3 hrs. Special problems related to the oral interpretation of poetry and prose.

412. **Stage Lighting.** 3 hrs. Theory and application of general and special lighting, color, instrumentation, and control.

414. **Improvisation.** 3 hrs. Prerequisite: THE 120. A performance course for actors, directors and teachers of drama, utilizing improvisation as a tool for instruction.

415. **Fundamentals of Children's Theatre.** 3 hrs. Methods and techniques of producing plays for elementary school age children.

416. **Intermediate Acting II.** 3 hrs. Prerequisites: THE 310 and instructor approval and/or audition. Improvisation and advanced scene study, including absurdist, classic, surrealist and verse drama.

417. **Period Acting Styles I.** 3 hrs. Prerequisites: THE 310 and instructor approval and/or audition. Study of acting styles from ancient Greece through Shakespeare. Utilizing speech, movement, acting style and masks.

418. **Period Acting Styles II.** 3 hrs. Prerequisites: THE 418 and instructor approval and/or audition. Study of acting styles from restoration through 1900. Utilizing speech, movement and acting style.

420. **Advanced Directing.** 3 hrs. Prerequisite: THE 320.

427. **Theatre History I.** 3 hrs.

428. **Theatre History II.** 3 hrs. A continuation of THE 427.

429. **Dramatic and Performance Theory.** 3 hrs. Examination and evaluation of dramatic and performance theory from antiquity.

430. **Summer Theatre I.** 3 hrs. Concentrated applied theatre.

431. **Summer Theatre II.** 3 hrs. A continuation of THE 430.

433. **Design Studio I.** 3 hrs. Rendering commonly used theatrical materials.

434. **Design Studio II.** 3 hrs. Scenographic techniques.

435. **Advanced Scene Design.** 3 hrs. Prerequisite: THE 306 or consent of instructor. The techniques of scene design as applied to non-realistic stage settings.

445. **Advanced Stage Lighting.** 3 hrs.

450. **The Audition Process.** 2 hrs. An acting class designed to help prepare students for professional auditions and interviews.

451. **The Rehearsal Process.** 2 hrs. An acting class designed to dissect and analyze the rehearsal process from casting through production.

459. **Musical Theatre Production.** 3 hrs. Study of the different forms and styles of Musical Theatre with special attention to the various elements of production.

460. **Costume Design Studio.** 3 hrs. Projects in designing costumes for plays, opera, and dance. Emphasis placed on costume designs as an element in a total production concept.

461. **Advanced Theatrical Makeup.** 3 hrs. Projects in makeup design and execution. Emphasis placed on three-dimensional makeup techniques for theatre, television, and film.

471. **Performance and Production Internship.** 1-9 hrs. May be taken for a total of nine (9) hours. Professional experience in residence with approved professional organizations.

480. **Directing Children's Theatre.** 3 hrs. The techniques of directing, organizing, and administering a children's theatre program.

481. **Repertory Theatre.** 3-9 hrs. Participation in the analysis and preparation of the performances of three plays in repertory. Student must enroll in three 3-hour sections.

482-L. **Practicum in Box Office and Publicity.** 1-3 hrs. May be taken for a total of nine (9) hours.

483-L. **Practicum in Scene Design and Technical Theatre.** 1-3 hrs. May be taken for a total of nine (9) hours.

484-L. **Practicum in Lighting and Sound Engineering.** 1-3 hrs. May be taken for a total of (9) hours.

485-L. **Practicum in Reader's Theatre and Oral Interpretation.** 1-3 hrs. May be taken for a total of nine (9) hours.

486-L. **Practicum in Creative Dramatics and Children's Theatre.** 1-3 hrs. May be taken for a total of nine (9) hours.

488-L. **Practicum in Acting and Directing.** 1-3 hrs. May be taken for a total of nine (9) hours.

489-L. **Practicum in Costume and Makeup.** 1-3 hours. May be taken for a total of nine (9) hours.

490. **Theatre Workshop.** 3 hrs. Designed for the non-theatre major (i.e., English, speech, music, etc.) who is responsible for directing school or community drama activities.

492. **Special Problems.** 1-3 hrs. To allow individual students or groups of students to study special advanced problems in theatre not normally addressed by regular courses. (Students undertaking a Senior Honors Project will enroll in THE H492.)

499. **British Studies in Theatre.** 3-6 hrs.

THERAPY (THY—740)

411. **Seminar in Corrective Therapy.** 1 hr. An introductory seminar for students interested in careers in Corrective Therapy.

421. **Clinical Experience.** 1-4 hrs. Arr. A supervised internship in various habilitation, rehabilitation, or neuropsychiatric clinics. May be repeated.

454. **Neurological Concepts and Implications in Human Functioning.** 3 hrs. A review of the central nervous system and pathology as related to muscular control and diseases that limit normal human functioning.

455. **Pathological Concepts and Implications in Human Functioning.** 3 hrs. A review of dynamic disease processes that affect body functioning with an emphasis on those diseases which affect the major organs or systems related to motor functions.

461. **Corrective Therapy and Rehabilitation Medicine.** 2 hrs. An introduction to the basic concepts and considerations necessary for effective functioning in the clinical setting.

462. **Spinal Cord Injuries and Muscle Disorders.** 2 hrs. A review of normal and abnormal functioning of the motor pathways with emphasis on evaluation and rehabilitation of specific motor disorders and spinal cord injuries.

463. **Normal Human Locomotion.** 2 hrs. An indepth analysis of normal human locomotion and its impact on ambulation training, prosthesis gait deviations, and blind mobility training.

464. **Cardiovascular and Respiratory Disorders.** 2 hrs.

471. **Accelerated Corrective Therapy Rehabilitation Ward Program.** 2 hrs. An introduction to the basic concepts and treatment procedures used in accelerated rehabilitation ward programs.

472. **Dynamics of Psychiatric Group Rehabilitation Programs.** 2 hrs. The complexities in directing neuropsychiatric group activities.

473. **Neuro-Psychiatric Geriatric Training.** 2 hrs. An introduction to the multi-problem areas of communication with motivating and treating the geriatric, neuro-psychiatric patient.

474. **Programs for the Severly Disturbed Psychiatric Patient.** 2 hrs. An introduction to the problems of treating the psychiatric patient in a locked ward setting.

497. **Interdisciplinary Seminar in Developmental Disabilities.** 3 hrs.

498. **Families of the Developmentally Disabled.** 3 hrs. Interdisciplinary approach to the study of families of the developmentally disabled.

TOXICOLOGY (TOX—385)

470. **Survey of Toxicology.** 3 hrs. Prerequisite: CHE 256. A one-semester survey course in toxicology.

FACULTY EMERITI

MR. LAWRENCE CHARLES ALBERS, Associate Professor Emeritus of Radio, Television, and Film.

MR. HAYWARD GLENN ANDERSON, Associate Professor Emeritus of Accounting

MR. GROVER CLEVELAND ASHLEY, JR., Library Director Emeritus, Cook Library

MISS FLORA LEE BAIN, Associate Professor Emerita of Nursing

MISS MABLE MAE BALDWIN, Associate Professor Emerita of Business Education

DR. JAMES EDWARD BAXTER, Associate Professor Emeritus of Education

MRS. MARY POE BAYLIS, Associate Professor Emerita of Music

MISS FRANCES ELIZABETH BENNER, Associate Professor Emerita of Music

DR. JOHN CALVIN BERRY, Associate Professor Emeritus of Educational Leadership and Research.

DR. LILLY ANNELL BONNER, Professor Emerita of Business Education

DR. HERMAN BOROUGHS, Professor Emeritus of Counseling Psychology and Counselor Education

MRS. LAURA J. BOWERS, Assistant Professor and Librarian Emerita

DR. LOUIS KOHL BRANDT, Professor Emeritus of Finance and General Business

DR. JULIUS CHRISTIAN BRAUN, Professor Emeritus of Educational Administration and Supervision

MRS. LOIS TRUE BRELAND, Assistant Professor Emerita of English

DR. BAHNGRELL WALTER BROWN, Professor Emeritus of Geology

DR. MARICE COLLINS BROWN, Distinguished University Professor Emerita of English

DR. GLORIA HULLUM BRYANT, Associate Professor Emerita of Home Economics

MR. GEORGE EDWIN BULLARD, Associate Professor Emeritus of Business Administration

MISS CORRIE LYNNE BUNCH, Librarian III, Emerita, Cook Library

DR. ROBERT ELBERT BURKS, Associate Professor Emeritus of Polymer Science

DR. JOHN NEWELL BURRUS, Distinguished University Professor Emeritus of Sociology and Anthropology

DR. CLAUDE LOUIS CAMPBELL, Associate Professor Emeritus of Curriculum and Instruction

DR. ORLEY B. CAUDILL, Professor Emeritus of Political Science

DR. WILLIE EARL COOLEY, Professor Emerita of Curriculum and Instruction

DR. DAVID FRANKLIN CUNNINGHAM, Professor Emeritus of Educational Leadership and Research

MR. JOHN HARBERT DALE, Professor Emeritus of Military Science and Assistant Professor Emeritus of Biology

DR. BONNIE JEAN DAVIS, Professor Emerita of Educational Leadership and Research

DR. JAMES TREADWELL DAVIS, Professor Emeritus of History

DR. LENA YOUNG de GRUMMOND, Professor Emerita of Library Science

DR. PERRY BROOKS DENNIS, JR., Associate Professor Emeritus of Music

DR. JACK P. DONOVAN, Professor and Coordinator of Graduate Studies Emeritus of Music

MRS. LOIS ARENDER DRAIN, Assistant Professor Emerita of Home Economics Education

DR. HENRY BENJAMIN EASTERLING, Professor Emeritus of Research and Human Development

DR. DAVID JULIUS ETZOLD, Professor Emeritus of Management
MR. MASON LEON EUBANKS, Assistant Professor Emeritus of English
MISS WILLIE EVELYN EWELL, Assistant Professor Emerita of Business Education
DR. MARY EVELYN FAULKINBERRY, Professor Emerita of Home Economics Education
DR. VIRGINIA ISABELLE FELDER, Professor Emerita of Mathematics
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[1]Leave of absence, 1988-1989
[2]Leave of absence, Fall Semester
[3]Leave of absence, Spring Semester

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20	21	22	23	24	25	26
27	28	29	30	31		

FEBRUARY

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28		

MARCH

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

APRIL

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

MAY

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

JUNE

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

JULY

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

AUGUST

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

SEPTEMBER

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

OCTOBER

S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

NOVEMBER

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

DECEMBER

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

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